



Digitized by the Internet Archive
in 2014

<https://archive.org/details/b19974760M3637>



The

CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3483
CXLVI

NOVEMBER 9, 1946

Annual Subscription (with
Diary) 25/- Single copies 9d.



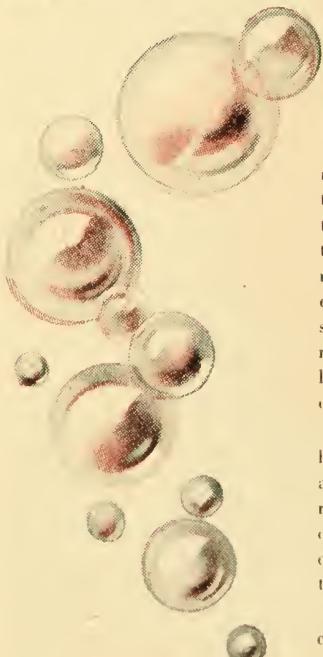
Nov. 9. £999,999

Be generous... an extra
£1 will make it a million

HAIG'S

This appeal is made by Burgoyne Burbidges & Co., Ltd., London, E.6

YOUR REPUTATION IS NO BUBBLE !



Shakespeare's soldier, valiantly seeking the bubble reputation even in the cannon's mouth, is a far cry from the hard facts of commercial practice. To you, reputation is no bubble. It is the hard-won virtue upon which the popularity of your product is founded. But it does not end there. It is a virtue that must be as closely controlled as the manufacture of your product. The slightest variation in your established quality the merest deviation from an essential specification and before you know where you are, your product is in danger of losing its popularity — and you your reputation.

That's quite a responsibility for any man to carry, but one that Monsanto, in preparing their products, readily accept without a qualm. But then, Monsanto have good reason to accept it. Every batch of every Monsanto chemical is *double-checked* by our highly skilled control chemists before a single pint or a single pound is delivered to your works.

But there's even more to it than that: most Monsanto chemicals are prepared to much closer specifications than those required by B.P. or B.S.I. So, with a high standard to start with, and with that high standard as an integral part of your formula, you will readily appreciate the important part that *double-check-controlled* Monsanto chemicals play in helping you to maintain your reputation.

Monsanto Chemicals Limited, Victoria Station House, London, S.W.1. Phone: Victoria 2255. Grams: Monsanto, Sowest, London.

Aspirin
Phenol
Phenacetin
Methyl salicylate
Sodium salicylate
Benzoic acid
Sodium benzoate
Lysol
and many others

**MONSANTO
CHEMICALS**

SERVING INDUSTRY WHICH SERVES MANKIND

A simple analgesic unguent for home use

'Anethaine' Ointment
is a Glaxo product

for relief of the pain which accompanies many afflictions of daily life. Haemorrhoids, fissures and inflamed corns, small burns or stings are fairly common instances in which a powerful local analgesic such as 'Anethaine' Ointment can be used for welcome relief from pain and discomfort. Quick relief follows the application of the ointment and is maintained for upwards of two hours or more. The ointment may be applied to the skin or mucous membrane at suitable intervals. It is non-greasy and can be removed readily from skin or clothing with water.

'Anethaine' Ointment has also wide clinical application, for instance it can be used as a lubricant to render painless certain instrumental examinations.

You will be wise to hold a stock of 'Anethaine' Ointment—not only to meet medical prescriptions but for personal recommendation in your efficient service to customers.

ANETHAINE

Ointment

In $\frac{1}{4}$ oz. tubes. Price per tube 3/6.

Manufacturers of
PENICILLIN

PARCEL PRICE
I doz. tubes 28/- net.

GLAXO LABORATORIES LTD., GREENFORD, MIDDX. BYRON 3434



there's a Good Name behind them!

SCRUBB'S Paint & Enamel Cleaner

For all Paintwork, including Varnished, Enamelled and Lacquered Surfaces. Simple, quick, thorough.

SCRUBB'S Dry Cleaner

Quickly and completely removes spots, stains and dirty marks from Suits, Dresses, Hats, etc. Safe, reliable, easy to use.

Owing to shortage of bottles there is still considerable delay in executing orders.

Made by the makers of

SCRUBB'S CLOUDY AMMONIA

CHEMICAL & NATURAL PRODUCTS LTD

Wimbledon Factory Estate, Morden Rd., London, S.W.1

EVANS

HEPATEX

LIVER EXTRACTS

are again in production . . . and the application of proteolysis in their manufacture has provided preparations of greater potency.

PACKS AND RETAIL PRICES

HEPATEX ORAL (Regd. Trade Mark)

Bottles of 4 fl. oz. 12/6 each

HEPATEX COMPOUND INTRAMUSCULAR (Regd. Trade Mark) (also known as H.C.I.)

Boxes of 6 x 1 c.c. ampoules
6/4 per box

Boxes of 12 x 1 c.c. ampoules
11/8 per box

Boxes of 50 x 1 c.c. ampoules
43/6 per box

NEO-HEPATEX (PARENTERAL) (Regd. Trade Mark)

Boxes of 3 x 2 c.c. ampoules
10/8 per box

Boxes of 25 x 2 c.c. ampoules
78/- per box

Rubber-capped bottle of 10 c.c.
15/4 each

Rubber-capped bottle of 25 c.c.
35/4 each

HEPATEX-T (Regd. Trade Mark)

Boxes of 6 x 2 c.c. ampoules
10/- per box

Boxes of 25 x 2 c.c. ampoules
37/4 per box

Rubber-capped bottle of 10 c.c.
7/- each

Prices apply to Great Britain and Northern Ireland only.

Made in England by

EVANS MEDICAL SUPPLIES LTD
Liverpool and London

FINE CHEMICALS • BIOLOGICALS • PHARMACEUTICALS

*Labels-
Cartons-
Envelopes-
& EVERY DESCRIPTION
OF MEDICAL PRINTING*

ALF. HARRISON & SONS LTD.
Chemists' Printers
BURLEY ROAD, LEEDS, 4.

IN A CHANGING WORLD

*some things remain
safe and certain!*

Cephos REG.
THE PHYSICIANS' REMEDY

for
COLDS and INFLUENZA

CEPHOS LTD., BLACKBURN. PATA.

HERE'S A GOOD LINE!

15/- per dozen
less 5% and
2½%
(6 dozen lots)

Recommend it
for all house-
hold purposes



VIKELP

Nutritional Food Tonic

contains **10**
essential Minerals
and Vitamin B

This perfectly balanced Food Toni
can be recommended with ever
confidence in cases of

**TIREDNESS, DEPRESSION
LASSITUDE, GENERAL DEBILIT**

Obtainable from your regular wholesaler,
J. C. Gamble & Co., Ltd., 211/212
Blackfriars Road, London, S.E.1.

HEALTH PRODUCTS LABORATORIES LTD
128-134 Baker St., London, W.I. PATA

INDEX TO ADVERTISERS

Ivita, Ltd.	xxvii	Delf, W. M., & Co.	30
len, Stafford, & Sons, Ltd.	17	Demuth, R., & Co., Ltd.	34
nderson & Reeve, Ltd.	18	Dengerm, Ltd.	Leader Page
pro, Ltd.	xxvi	E.N.T. Manufacturing Co., Ltd.	xxii
B. Insecticides	34	Energen Foods, Ltd.	xxix
iley, R., & Son, Ltd.	xi	Evans, Adlard & Co., Ltd.	x
rnett & Foster, Ltd.	26	Evans Medical Supplies, Ltd.	3
lig, J., & Sons, Ltd.	xviii	Fennings, A.	Leader Page
ackwell, Hayes & Co., Ltd.	ii	Ferris & Co., Ltd.	24
ton, Astley & Co., Ltd.	24	Finegan, J., & Son	xxix
anded Sales, Ltd.	viii	Fink, F., & Co.	Leader Page
icas, Ltd.	xxii	Franks, A., & Bartlett Co., Ltd.	14
itish Drug Houses, Ltd. The	i	Freudenthiel, Smith & Co.	Leader Page
itish Dyewood Co., Ltd.	iii	Fryer & Co. (Nelson), Ltd.	34
itish Felsol Co., Ltd.	Cover iv	Fulford, C. E.	26
rgre, Warren & Ridgeley, Ltd.	34	Gale, Baiss & Co., Ltd.	vi
rgoyne Burbidges & Co., Ltd.	Front Cover	Gardner, W., & Sons (Glos.), Ltd.	vii
rrough, James, Ltd.	Leader Page	Geigy, Ltd.	ii
rroughs Wellcome & Co.	35	Gillette Industries, Ltd.	xvii
lthorpe, M., & Co., Ltd.	xxviii	Glaxo Laboratories, Ltd.	1
lvert, F. C., & Co., Ltd.	4	Goya	xxx
hillon Press, Ltd.	viii	Graesser, R., Ltd.	iv
rneig Chemicals (Welwyn), Ltd.	Cover iii	Graesser Salicylates, Ltd.	ii
rter, H. W., & Co., Ltd.	27	Griffin, David, Ltd.	xviii
rtwright, W. B., Ltd.	6	Gutkind, F. & Co., Ltd.	iv
rus, A. & Sons, Ltd.	xix	Hall, Foster & Co., Ltd.	Leader Page
stle Huskisson, Ltd.	24	Hampshire, F. W., & Co., Ltd.	xxxi
phos, Ltd.	4	Harris, Hart & Co., Ltd.	iv
emical & Natural Products, Ltd.	2	Harrison, A., & Sons, Ltd.	4
arkson Wade, Ltd.	30	Harwoods Laboratories, Ltd.	5
ntinal Products, Ltd.	xxvii	Health Products Laboratories, Ltd.	4
ntinental Laboratories, Ltd.	22	Herts Pharmaceuticals, Ltd.	xxx
oper Laboratory, Ltd.	10	Heward, R. H., Co.	xviii
x, Arthur H., & Co., Ltd.	19	Howard-Taylor, Ltd.	24
D.D. Co., Ltd.	xxiv	Hurtley, F., Ltd.	ix
niel, Richard, & Son, Ltd.	13	Ingram, J. G., & Son, Ltd.	x
		International Chemical Co., Ltd.	25
		International Laboratories, Ltd.	xxi & xix

(continued overleaf)

Known on both sides of the counter . . . To both the

chemist and his customers Serocalcin is now well-known, not only for the prevention but also for the treatment of colds. The demand at present is very great and every indication points to its continuing and increasing throughout the winter.

Your co-operation is sought in ordering your supplies. We are most anxious to give you good delivery service but, under present conditions, there may be unavoidable delays. So please look ahead and place your orders so that we have a margin of time in which to execute them.

SERO CALCIN

FOR THE PREVENTION AND TREATMENT OF COLDS

HARWOODS LABORATORIES LTD., WATFORD, HERTS. Phone WATFORD 4457



INDEX—(cont.)

Jackson, G., & Sons, Ltd.	Leader Page
Jeffreys, Miller & Co., Ltd.	14
Johnson & Johnson (G.B.), Ltd.	20
Johnson & Sons, Manufacturing Chemists, Ltd.	iii
Johnson Agencies (Proprietaries), Ltd.	xxvi
Kellys, J. (London), Ltd.	v
Kemball, Bishop & Co., Ltd.	xiii
Kemsales, Ltd.	xxiv
Kenrosa, Ltd.	30
Kerfoot, T., & Co., Ltd.	36
Kershaw-Soho (Sales), Ltd.	28
Knox, John (Stoke-on-Trent), Ltd.	34
Koko-for-the-Hair	30
Leda Chemicals, Ltd.	28
Lennard Lee-Narvill & Co.	28
Lofthouse & Saltmer, Ltd.	14
Loveluck Edwards & Co.	xxviii, Leader Page
Macleans, Ltd.	15
Madelox, Ltd.	Leader Page
Manesty Machines, Ltd.	31
Manex Services, Ltd.	iv
Marns, T.	xxiv
Matthews, S., & Co., Ltd.	14
Maw, S., Son & Sons, Ltd.	11
Metal Box Co., Ltd., The	xii
Midgley & Parkinson, Ltd.	24
Mono Containers, Ltd.	xvi
Monsanto Chemicals, Ltd.	Cover ii
National Glass Works (York), Ltd.	vii
Optrex, Ltd.	ix
Ormerod Engineers, Ltd.	vii
Oxo, Ltd.	xxiii
Percenta, Ltd.	vi
Perken, Son & Co., Ltd.	xi
Phosferine (Ashton & Parsons), Ltd.	22
Pierson Morrell & Co., Ltd.	vi
Pinauds, Ltd.	32
Porosan Co., Ltd.	.....
Portland Plastics, Ltd.	.....
Potter & Clarke, Ltd.	.....
Pratt, Sir John, & Co.	.....
Rankin Bros. & Sons	.....
Reed, A. Elder, & Co., Ltd.	Leader Pa
Rendell, W. J., Ltd.	.....
Richter, Gedeon (Great Britain), Ltd.	xx
Roche Products, Ltd.	.....
Ronaldson, J., & Co., Ltd.	.....
Rose, J. L., Ltd.	.....
S.Y.F.T., Ltd.	.....
Scholl Manufacturing Co., Ltd.	.....
Schutze, F., & Co., Ltd.	.....
Scott, A. & R., Ltd.	xx
Septisol, Ltd.	.....
Simpson, J. W. (Chemist), Ltd.	.....
Smith, T. & H., Ltd.	.....
Southon Laboratories, Ltd.	.....
Splendor, Ltd.	.....
Sturge, John & E., Ltd.	.....
Surgical Hosiery Co., Ltd.	.....
Swan Mill Paper Co., Ltd.	.....
Tampax, Ltd.	.....
Town Talk Polish Co.	.....
Treco Polish Co., Ltd.	.....
Tye, John, & Son, Ltd.	.....
Tyler, T., & Co., Ltd.	.....
United Glass Bottle Manufacturers, Ltd.	.....
Vitamins, Ltd.	.....
Wagstaff & Brunt	.....
Waide, Thos., & Sons, Ltd.	Leader Pa
Wander, A., Ltd.	.....
Ward, Blenkinsop & Co., Ltd.	.....
Whitakers (Kendal), Ltd.	.....
Wiggleworth, Ltd.	.....
Wilcox, Joezau & Co., Ltd.	.....
Wilson & Mansfield, Ltd.	.....
Zeal, G. H., Ltd.	Cover

COLDS

WILL BE RIFER THIS WINTER!



After a dull wet summer, public vulnerability to colds and chills this winter will be high. There will be more need and more demand for PENETROL. Keep this inhalant well to the fore in your window and counter displays. Increased advertising is appearing until March; and supplies, though still restricted, are being promptly and fairly distributed.

put **PENETROL**
INHALANT
in the front of your displays



On the **PATA** Protected List

W. B. CARTWRIGHT, LTD., RAWDON, LEEDS

A DISPLAY OF RENDELLS PRODUCTS

- will appeal to every woman

DISPENSING
CHEMIST

RENDELLS
SILATEX
SANTRON
MENSINOLE
RENDELL GELS

P.A.T.A.

Rendells
PRODUCTS
FOR FEMININE HYGIENE

W.J. RENDELL LTD., 161, ROSEBERY AVE., LONDON, E.C.I

*A good thought from our
earlier days repeated by
WIGGLESWORTH LTD.*

AUGUST 23, 1930

THE CHEMIST AND DRUGGIST

**Marking time doesn't lose ground
but it's a sure way
to be left behind!**

...self that times might be

That is as true to-day as when it was first said. Progress is the most reliable indicator of business stability.

It is axiomatic that a difficulty is someone's opportunity and, whilst present-day problems offer a ready excuse for lack of enterprise and non-development, it is no less true that they also provide an opportunity for the wide-awake Pharmacist to make solid progress.

For example: although you may fully appreciate the difference between MARGIN FOR PROFIT and MARGIN OF PROFIT, it may be that you have not fully explored the possibilities of its application to your personal selling effort.

We have drawn up a few comments on the subject. If you think they might be helpful to you—send us a post card.

WIGGLESWORTH LTD. Chemists Friends
WESTHOUGHTON • BOLTON • LANCASHIRE

Efficient Salicylate Medication

'ALASIL' is an analgesic, anti-pyretic and sedative of established value. It provides the physician with an efficient form of salicylate medication which combines the advantages of high tolerability and greater freedom from the possibility of unpleasant gastrointestinal sequelæ.

This tolerability is due to the fact that 'Alasil' is a combination of acetylsalicylic acid and Dibasic Calcium Phosphate together with 'Alocol' (Colloidal Aluminium Hydroxide), an effective gastric sedative and antacid.

For these reasons 'Alasil' can be administered with confidence—over prolonged periods if necessary—to children, adults, the aged, and patients with finely balanced digestive capacities.



Alasil

TABLETS

Aspirin with a difference

Retail Prices :

Bottles 1/5 and 2/10
Including Purchase Tax.

Trade Prices :

11/3 and 22/6

Plus Purchase Tax

On the P.A.T.A.

A. WANDER LTD.
5 and 7 Albert Hall
Mansions, London,
S.W.7

ESTABLISHED
1904

Specialists
in the manufacture
of
Tablets
and
Pills

40 years of Specialised
Manufacturing Experience
assure you of
QUALITY and ACCURACY

PACKED TABLETS, with Chemist's Own Name Labels if desired, supplied in 2 sizes 25's and 100's (with a few exceptions packed in 50 only).

BULK TABLETS, including NF and NWF line supplied in convenient quantities from 1 lb upwards.

STANDARD SACCHARIN TABLETS, packets of 1 lb or in bulk.

The
Cooper Laborator
Watford

Telephone :
3612Telegrams :
"Science"

The Products of Vitamins Ltd.

Product	Composition	Retail Prices
BEFORTISS B COMPLEX CAPSULES	Each capsule contains :— 1 mg. B ₁ (Aneurin hydrochloride) 1 mg. B ₂ (Riboflavin)	25s 4/6 100s 16/6
VITAMIN B₆ Pyridoxin	Tablets of 10 mg. Ampoules of 50 mg.	{ 25s 12/- 100s 45/- 3s 10/6 Tax 1/2d.
BEMAX Stabilised wheat embryo	1 oz. contains :— Vitamin B ₁ 0.45 mg. B ₂ (Riboflavin) 0.3 mg. Nicotinic Acid 1.7 mg. Vitamin B ₆ 0.45 mg. Vitamin E 8.0 mg.	2/6 At present on allocation only. 4/6
COMPLEVITE Tablets—a multiple dietary supplement	Recommended adult daily dose supplies :— Vitamin A 4,000 i.u. Vitamin B ₁ 0.60 mg. Vitamin C 20.0 mg. Vitamin D 300 i.u.	60s 2/10 Bottles contain equal numbers white and green tablets. 120s 5/- 1,000s 35/-
PREGNAVITE— to meet the needs of pregnancy and lactation	Analysis as in Complevite with the addition of Nicotinamide 25.0 mg. Vitamin E (<i>α</i> -tocopherol) 1.0 mg.	60s 3/4 Bottles contain equal numbers yellow and green tablets. 120s 6/- 1,000s 42/-
FERTILOL Wheat Germ Oil The richest natural source of Vitamin E	Each 5 min. capsule contains 3 mg. <i>α</i> -tocopherol. Natural wheat germ oil has been shown to produce a materially higher proportion of successful results than <i>α</i> -tocopherol in synthetic form.	25s 4/6 100s 15/-

Also Vitamin A & D Capsules, Vitamin B₁ Tablets and Ampoules, Vitamin C Tablets, Vitamin K Tablets and Ampoules, Fertilol Veterinary, etc., etc.

Full price list gladly sent on request. Vitamins Limited (Dept. C.X.B.), Upper Mall, London, W.6.

meritor

THE HALL-MARK OF MERIT



The Meritor Tooth Brush Advertising Campaign in the National Press is now in full swing. Because of restricted Tooth Brush supplies each advertisement carries a reference which really helps sales of leading Meritor Sundries such as Meritor Anti-septic Ointments, Packed Goods, D.D.T. Antimoth and Food Flavourings. The Advertising also creates goodwill for all Meritor Sundries items the range of which is now bigger than ever.

Proprietaries. We are now stocking a comprehensive range of most of the Advertised Proprietary Lines. Stocks are fairly good and we can usually fulfil all orders. Send for our new Proprietary List now in course of preparation.

Agencies. Maw's Sole Agency lines now include such first-class items as Persomnia, Menopax, Aeroped, Damaskin, Isopads, Meritor Electric Bed Warmers, and Pin Up Cold Permanent Wave Outfit.

★ SUNDRIES ★ *Proprietaries* ★ AGENCY LINES

S. MAW. SON & SONS, LTD
Aldersgate House, Barnet..Herts.
TELEPHONE : BARNET 5555



TO THE PHARMACIST

Creta Precip. B.P.

TO THE COSMETICIAN

*Precipitated Calcium Carbonate Sturge
and Aeromatt Chalk*

TO THE MANUFACTURER

who seeks a filler with dependable properties

Precipitated Calcium Carbonate Sturge

STURGE CHALK

A fine Chemical



JOHN & E. STURGE LTD · 1 WHEELEYS ROAD · BIRMINGHAM 15
Manufacturers of fine chemicals since 1823





A Watched Pot

...never boils, but an unwatched process can often go wrong. A vigil eye is only one of the secrets in the manufacture of perfect pills and tablets. Constant inspection, regular checking and analytical control—all these have played their part in winning for our products the reputation they now enjoy.

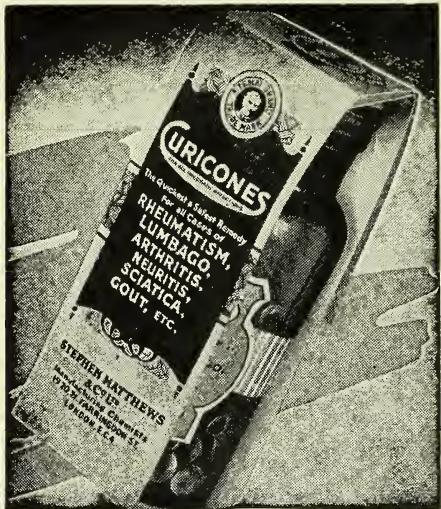
MANUFACTURING CHEMISTS
OFFICE & WORKS: MANSFIELD ROAD, DERBY
'Phone: Derby 4266 (3 lines) 'Grams: Dania, Derby



THE CHEMISTS' PRINTERS

FOR OVER SIXTY YEARS

THOMAS WAIDE & SONS, LTD.
KIRKSTALL HILL
LEEDS



CUSTOMERS WANT THE LARGE 24' SIZE *You can order it!*

We are pleased to draw attention to the fact that

5/- and 24/- Bottles of

CURICONES

are always available through all leading wholesalers

We draw special attention to this because, in recent weeks, many instances have come to light of intending purchasers being informed that these sizes are unobtainable

ORDER THROUGH YOUR USUAL WHOLESALER

CURICONES

For the relief of Rheumatism and kindred troubles

STEPHEN MATTHEWS & CO., LTD.
19-21 FARRINGDON ST., LONDON, E.C. 4.

P.R.A.T.A.

"ADVANCE IN PRICE"

LOSALL'S HALIBUT LIVER OIL CAPSULES

RETAIL PRICE 1/8 ... 12/6 doz.

-do- 3/4 .. 25/- doz.
TAX FREE

WE CAN SUPPLY BY RETURN POST

LOFTHOUSE & SALTMER LTD.
MANUFACTURING CHEMISTS
HULL



Did you buy a Poppy.

The British Legion's work for the men who preserved our Freedom depends on you. Please remember them very generously by sending a gift to —

HAIG'S FUND
RICHMOND, SURREY.
(Regd. War Charities Act, 1940)

POPPY DAY

Earl Haig's Fund gratefully acknowledges the gift in this space to —

JEFFREYS, MILLER & CO. LTD., WIGAN

The Winning Smile

DENTONA

TOOTH WHITENING PENCIL

MAKES TEETH LIKE PEARLS

RETAIL 6d From all Wholesalers.

ALFRED FRANKS & BARTLETT CO. LTD.
AUDREY HOUSE, ELY PLACE, HOLBORN CIRCUS, LONDON, E.C. 1.

This attra
of qualit
regular s

MACLEAN



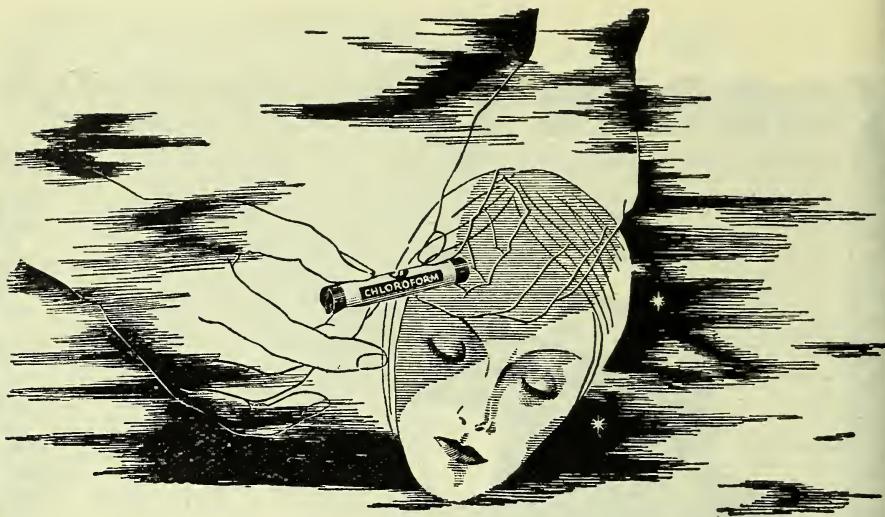
PICTURE OF A SOLID FAVOURITE

This attractive tin with its solid background of quality, popularity and publicity is a regular source of income to the stockist.

RETAIL PRICE
9d.
per tin.
P. A. T. A.

MACLEANS LTD., GREAT WEST ROAD, BRENTFORD, MIDDX.

Phone : Ealing 6616. Wires : Macleans, Brentford.



100 YEARS . . THEN CHLOROFORM TYEBRETTES

For 100 years in the doctor's hands has lain the power and responsibility of alleviating suffering

Now his task of producing the merciful shadow of partial anaesthesia, so often needed in obstetrics, has been made easier by chloroform "TYEBRETTES."

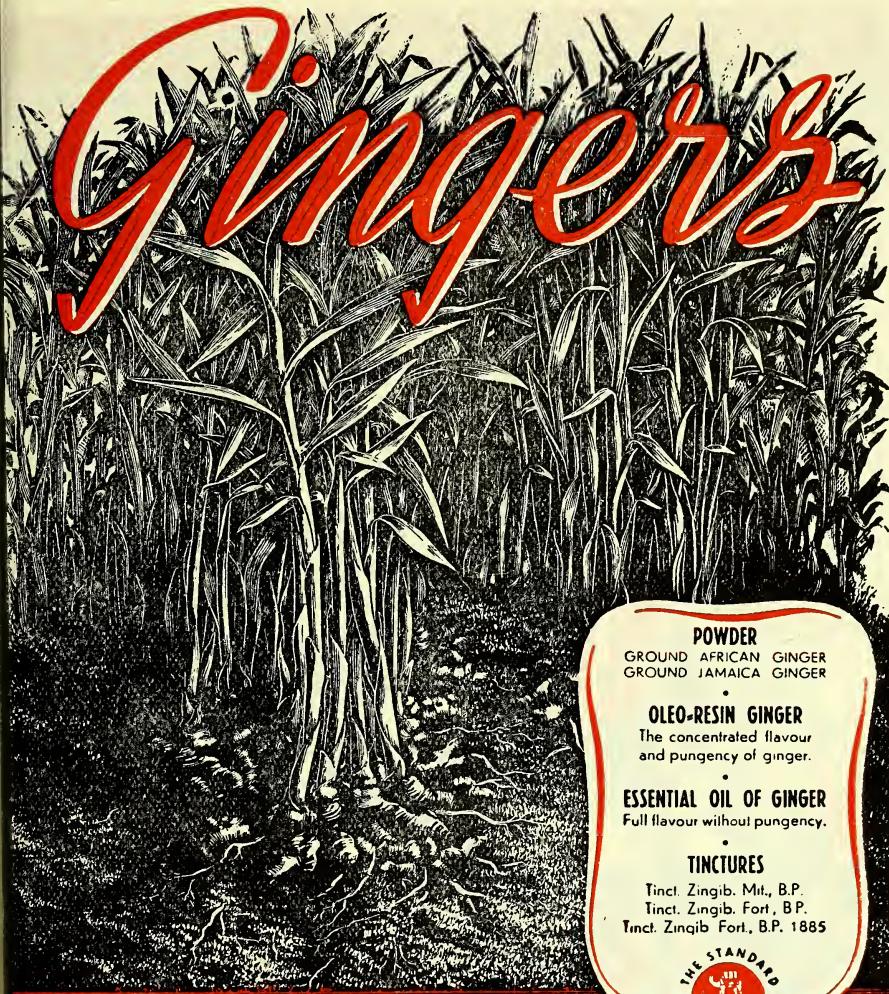
Each of the crushable inhalant glass capsules contains 40 minims of chloroform B.P., and is packed in an absorbent paper cylinder, the sealed ends being protected by pads of cotton wool. For your convenience six chloroform "TYEBRETTES" are packed in the smallest possible flat tin.

JOHN TYE & SON LTD
LONDON, N.7

Manufacturing Chemists · Capsule makers since 1845

ST
STAFFORD ALLEN

Gingers



POWDER

GROUND AFRICAN GINGER
GROUND JAMAICA GINGER

OLEO-RESIN GINGER

The concentrated flavour
and pungency of ginger.

ESSENTIAL OIL OF GINGER

Full flavour without pungency.

TINCTURES

Tinct. Zingib. Mit., B.P.
Tinct. Zingib. Fort., B.P.
Tinct. Zingib. Fort., B.P. 1885



Staffaiens

STAFFORD ALLEN & SONS LTD. WHARF RD., LONDON, N.I. Phone: Clerkenwell 1000 (7 lines)

A MESSAGE TO COSMETIC BUYERS



LIPSTICK



NOW PRESENTED IN 1946
STREAMLINE PLASTIC
PROPELING CASE OF
DIGNITY AND CHARM

- ★ SIX FASCINATING SHADES
- ★ INDELIBLE - STAYS FRESH ALL DAY
- ★ VELVETY-SMOOTH TEXTURE
- ★ NEW LIP-SHAPED PATENTED
DESIGN FOR EASY AND
ACCURATE APPLICATION

WORLD DISTRIBUTORS

ANDERSON & REEVES Limited

157-161 - REGENT STREET - LONDON - W.I

Telegrams TRYSTREGE, Piccy, London Cablegrams TRYSTREGE, London Telephone, REGent 3283/4/5/6/7

Manufacturing Chemists

— Since 1839 —

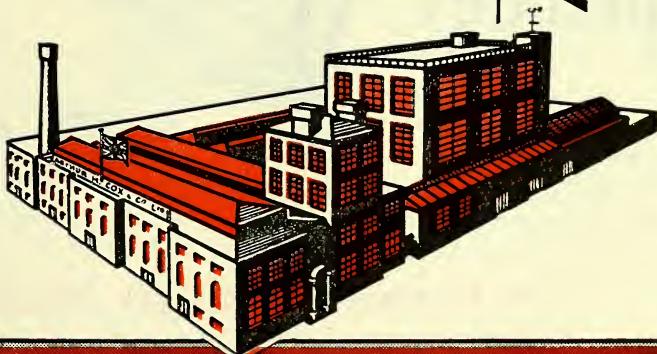


The Symbol of Reliability!

Manufactures include :

PILLS & TABLETS
(BULK OR PACKED)

PHARMACEUTICAL
‘OWN NAME’ FORMULÆ
PACKED SPECIALITIES



ARTHUR H. COX & CO LTD
BRIGHTON - ENGLAND

ON

Johnson's baby powder

OLD TERMS

Trade: 8½d. a dozen

Retail: 12 - a dozen

(1/- a tin excluding tax)

Profit: 3½d. a dozen tins

NEW TERMS

Trade: 10/- a dozen

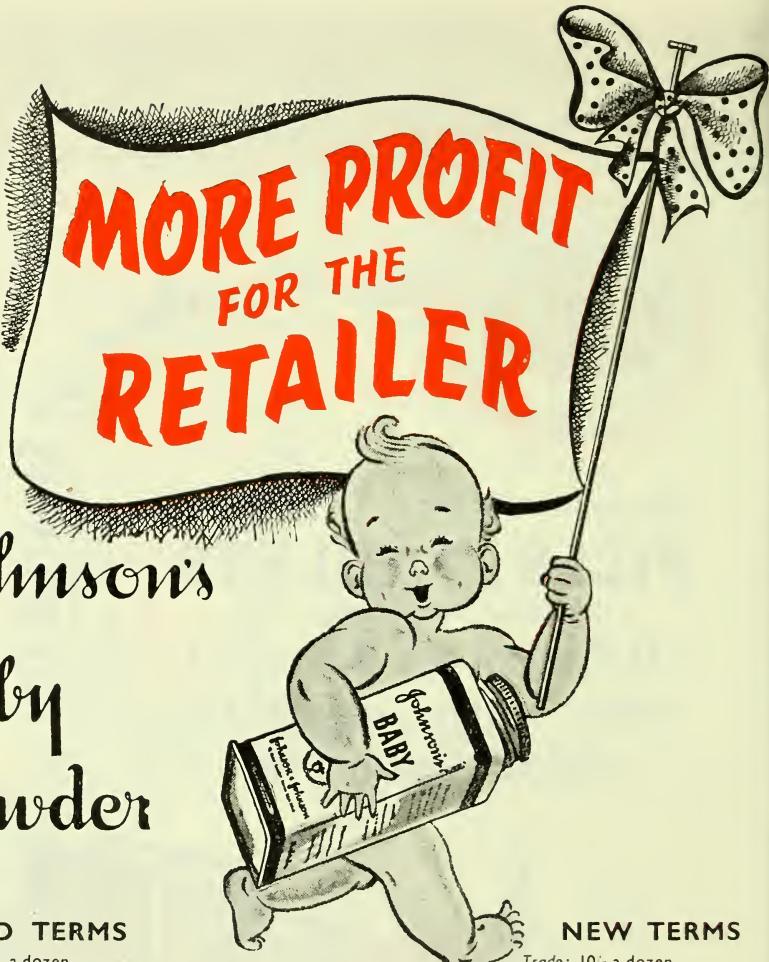
Retail: 14½d. a dozen

(1 1/2d. a tin excluding tax)

Profit: 4 1/2d. a dozen tins

- *Increased profit for retailer*
- 10^d on a dozen tins**

Johnson & Johnson (GT. BRITAIN) LIMITED • SLOUGH & GARGRAVE



winning form

Big consequences can spring from small causes. You find it so particularly in the proprietary trade. You know from your own label specialities that some lines sell and others don't. Is it because they are basically different? Not always. Trifles are often the cause—psychological trifles. The very name chosen for a product may sway people. A manufacturer has wide facilities to get these details right and should do so, before his goods are offered to you. He should not invite you to stock guesswork merchandise.

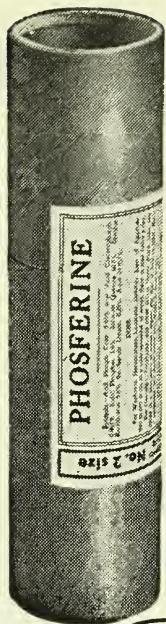
When the present management took over Simpson's in 1939 this was laid down :—

A Simpson product should reach the retail chemist *after* it has been confirmed by marketing tests that it will do a job which millions want; *after* the formula has been perfected by actual use over an extended period; *after* ample evidence has been gathered to show that every single detail has finally been set right.

The war (and the transition period) prevented the fullest expression of that policy but, as far as humanly possible we have adhered to it. Putting it into practice hasn't been a picnic. To counter the shortage of correct packaging materials and comply with controls, all manufacturers have sometimes had to sacrifice perfection. To make good the scarcity of advertising space, after we have fought for every obtainable inch, we have taken enormous pains to use it with utmost effect. And, significant expansion has been gained and consolidated.

There is certainly food for thought in the fact that Simpson's sales have shewn a steady and substantial upward trend. "He who makes progress in the face of obstacles, makes leaps when the obstacles go." If that old saying is true, J. W. Simpson (Chemist) Ltd., is a house to watch when controls and other restrictions are relaxed.

And remember, if it's Simpson's, it's C.F.



PHOSFERINE

TABLETS and LIQUID

● PHOSFERINE is a popular Tonic Medicine which has won world-wide reputation—its popularity being largely due to personal recommendation by those who have benefited by its use.

Phosferine Advertising which makes no extravagant claims consistently keeps our product before the notice of the Public.

Make sure your stocks are equal to the demand

**PHOSFERINE (Liquid and Tablets)
available in 2 sizes**

**No. 1 retails at 1/4 including Purchase Tax
No. 2 " 3/3 " "**

PHOSFERINE (Ashton & Parsons) Ltd., St. Helens, Lancs.

CODOFORME BOTOL

TABLETS

(Indicated in all types of dry cough)

Owing to circumstances beyond our control, we regret that CODOFORME BOTOL has been in short supply, but we are now pleased to advise you that this preparation

**IS AGAIN AVAILABLE
IN PACKINGS OF 20 AND 250 TABLETS**

If any difficulty is experienced in obtaining supplies through the normal trade channels, you are invited to communicate with us.

PATA

**CONTINENTAL LABORATORIES LTD.
101 GREAT RUSSELL STREET, LONDON, W.C.1**

Telephone: MUSEUM 2042/3

Note These New Vitamin Introductions —



'E PHYNAL'

VITAMIN E

New strength of 'Ephynal' 10mg. tablets is issued for convenience in adjusting dosage to higher levels and ampoules for parenteral administration.

Prescribed by the Medical Profession in : Habitual and threatened abortion ; menopausal disorders ; male infertility and certain neuromuscular diseases.

'Ephynal' Tablets are tasteless and can be chewed or taken with water. They cause no gastric discomfort.

*For further details see Roche
price-list, new edition.*



'BENADON'

VITAMIN B₆

We are pleased to announce the introduction of Vitamin B₆ (also known as pyridoxine or adermin) manufactured by Roche and issued under the trade name 'Benadon'. Tablets of 20mg. are available in 25's and 100's, and 2 c.c. ampoules, each containing 50mg. in 6's.

Further Information on Application

ROCHE PRODUCTS LIMITED
WELWYN GARDEN CITY, HERTS.

Scottish Depot : 665, Great Western Road, Glasgow, W.2.

*A rapid seller for autumn
and winter trade*



*An up-to-the minute
formula for*

COUGHS, COLDS, SORE THROATS, BRONCHIAL CONGESTION, ETC.

Brings profit and goodwill to every pharmacy

TRADE PRICE, 8/- per dozen. Packed in units of 3 doz.—containers of 4 units. Adequate supplies available through your usual wholesaler or direct from

HOWARD - TAYLOR LTD.

Manufacturing Chemists, 89 KINGSWAY, LONDON, W.C.2

GROUND
DRIED YEAST
MIDGELEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

BLYTON ASTLEY & CO., LTD.

Eagle Laboratories
LOWER BROUGHTON, MANCHESTER

thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased

NEPENTHE

THE SAFEST AND BEST
PREPARATION OF OPIUM

The word "Nepenthe" is registered under the Trade Marks Act, and is our exclusive property. No Substitute may be dispensed when "Nepenthe" is ordered in a prescription. "Nepenthe" comes within the regulations of the Dangerous Drugs Act, 1920.
FERRIS & COMPANY, LIMITED, BRISTOL

Tablets and Pills

ASPIRIN

Private formulae Pills and
Tablets carefully and
accurately prepared at
lowest possible prices.
Latest Automatic
Pill Plant.

CASCARA

and all

WE WELCOME
ENQUIRIES

TABLETS and PILLS

CASTLE HUSKISSON LTD.

MANUFACTURING CHEMISTS
SWINTON WORKS, MOON STREET, ISLINGTON
LONDON, N.I.

Telephone : Canonbury 3466

ESTABLISHED 1768

HOW MANY SUFFER FROM INDIGESTION DAILY?

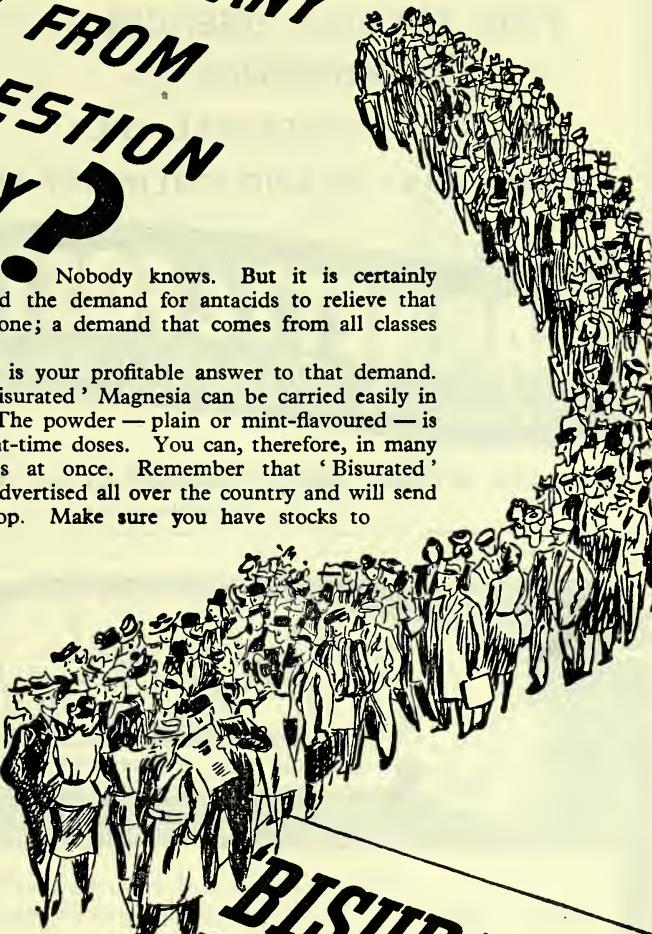
Nobody knows. But it is certainly a large number. And the demand for antacids to relieve that indigestion is a large one; a demand that comes from all classes and every adult age.

'Bisurated' Magnesia is your profitable answer to that demand. In its tablet form, 'Bisurated' Magnesia can be carried easily in handbag or pocket. The powder — plain or mint-flavoured — is recommended for night-time doses. You can, therefore, in many cases make two sales at once. Remember that 'Bisurated' Magnesia is strongly advertised all over the country and will send customers to *your* shop. Make sure you have stocks to satisfy them.

'Bisurated' Magnesia tablets and powder both retail at 5s and 2/10 including purchase tax. Trade price 12/-, 24/- a dozen respectively. Additional quantity counts:

5% 6% 7% £10 10% carriage paid on £3 parcels over.

Special display bonus of 14/- the dozen for 14 days window or counter display.



'BISURATED'
Magnesia

INTERNATIONAL CHEMICAL COMPANY
IFTON HOUSE, EUSTON ROAD, N.W.1

LTD..

"RED CLUB BRAND"
FINE SOLUBLE ESSENCES
FLAVOURINGS
ESSENTIAL OILS
"NIAGARA" BRAND CULINARY FLAVOURS



NIAGARA WORKS, EAGLE WHARF ROAD, LONDON, N.1
 Telephone : CLERKENWELL 7241

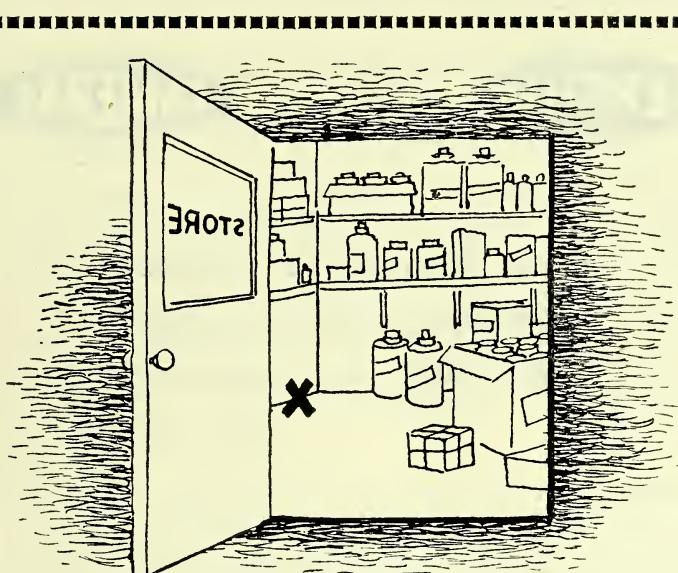
Write for Profit-
able Quantity
& Display Terms.

Show Material
also available on
Request.

Manufacturers and Distributors of the following
World-Famed Products

BILE BEANS	ZAM-BUK OINTMENT
PEPS TABLETS	ZAM-BUK SUPPOSITORIES
KUTNOW'S Effervescent Saline	★ ZAM-BUK MEDICINAL SOAP
ASPAREL TABLETS	VEN-YUSA FACECREAM
GUY'S TONIC, TONIC PASTILLES AND FRUIT PILLS	

★ At present in short supply



**X marks the place where the
empty Ribena bottles were**

Wise chemist, he thought of future supplies of full bottles, and his empties are now on the way back to us by the same route and channel as the full ones reached him.

Knowing that the journey sometimes takes as long as three months, he gets his empties away as quickly as he can.

No doubt you do exactly the same—but this will remind those who don't that the bottle shortage is still serious.

Ribena
BLACKCURRANT SYRUP

KERSHAW

CAMERAS

Space Reserved for Kershaw
Advertising as soon as present
orders have been executed.

Leda breaks the bottle neck!

Leda
BRAND OF

**PINE
POWDER**

No need to blame the
bottle shortage for
non-delivery of your
orders any longer.



Here is an entirely new preparation which comes in attractive 1-lb & ½-lb tins—a small handful of Leda Pine Powder dissolved in water produces several gallons of fragrant, pine-odoured fluid with high detergent and disinfectant properties. Abundant supplies available. No purchase tax payable. Wholesalers only supplied. Enquiries & prices from the manufacturers

LEDA CHEMICALS LTD.

94 ARCHWAY RD., LONDON, N.19.

ARC. 4877:

Sole Agents Scotland :

SOUTHERN MANUFACTURING CO. LTD.
187, St. Vincent Street, Glasgow, C.2.

*Fancy
Gift
Boxes*

YOUR ENQUIRIES
WELCOMED

Stating size required,
quantity, when we will
gladly quote, and state
delivery position.

(empty, various sizes)

L.L.N. & CO. LTD.
Albermarle House, 265 Anlaby Rd., Hull

PERFUMERY LABELS

Attractive stock designs in small or
large quantities, also Chemists' labels.

**L.L.N. & CO. LTD. "S" DEPT.,
ALBERMARLE HOUSE, ANLABY RD., HULL**

**RHOSEM, EMULSIFYING WAXES,
COSMETIC COLOURS, PERFUME
AND CHEMICALS**

QUALITY AND SERVICE

Lee-Narvill Laboratories, Anlaby Rd., Hull

Sterilisation of Parenteral Preparations—

The method of sterilisation by heating with a bactericide, as described in Appendix XVI of the Fourth Addendum to the B.P. 1932, is particularly convenient for Pharmacists preparing solutions of such substances as atropine sulphate, cocaine hydrochloride, morphine hydrochloride, sulphate or tartrate, procaine hydrochloride and physostigmine salicylate.

No special apparatus is required for this method; simply add 0.002% w/v of Phenylmercuric Nitrate to the preparation and heat in the final containers at 98° to 100° C. for the requisite period.

« WB »

PHENYL MERCURIC NITRATE

is supplied for this purpose in tubes containing 1 gm. and 10 gm.

Full details of this method of sterilisation will gladly be forwarded on request.

Pharmacists are also invited to apply for copies of the current edition of the Price list of « WB » Medical Products

WARD, BLENKINSOP



6. Henrietta Place
L A N g h o m 3185

Trade

L O N D O N W. I

Mark

Duochem-Wesde-London

100 YEARS REPUTATION

Kenrosa
HAIR
PREPARATIONS

Kenrosa LTD.
LONDON. E.5.

Manufacturers of
PASHANA, FOUGERE LOTIONS,
TONFREY'S DRY SHAMPOO ETC.

Syndrum Baby Cream (Regd.)

An elegant, economical, neutral, richly emollient, URINE PROOF, pleasant to use emulsion of suitably medicated soft paraffin.

Although Syndrum Baby Cream is URINE PROOF it is EASILY WASHED AWAY with soap and water.

Retails at 2/11d. per 4 oz. jar including
P. tax. T.D. 33½%.

Scottish Distribution by:—

Pharmaceutical Distributors Ltd.,
187 St. Vincent Street, Glasgow, C.2

East Anglia Distribution by:—

C. R. Crosskill & Sons,
Calvert Works, Norwich

Prime Distribution by:—

CLARKSON WADE LIMITED
BURNLEY. LANCS.

SOFT SOAPS
for Textile and other technical
and general uses.

Some lines not yet available
owing to war-time regulations.

W. M. DELF & CO.,
SOAP AND DISINFECTANT MANUFACTURERS
DELCO WORKS, RICE LANE, LIVERPOOL, 9

Telegrams: Glycerine, Liverpool
Telephone: Aintree 1752 (2 lines)

KOKO FOR THE HAIR

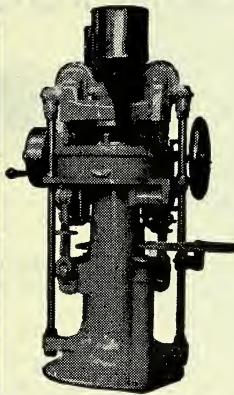
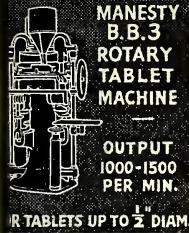
50 years reputation as
HAIR TONIC and DRESSING
PROMOTES GROWTH
STOPS FALLING HAIR
CLEAR'S DANDRUFF
Delightfully perfumed
Thousands of testimonials

In limited supply from Wholesalers.
KOKO MARICOPAS CO. LTD., 3, Fleet Lane, E.C.



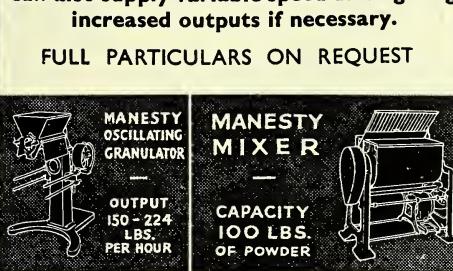
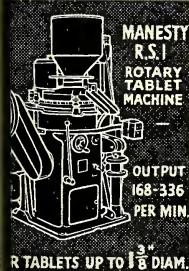
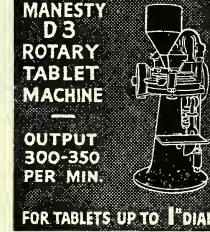
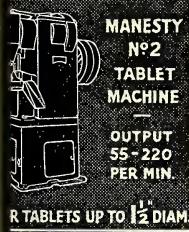
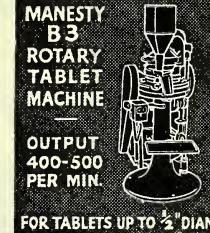
MANESTY

TABLET MAKING MACHINERY



27 Punch model for tablets up to $\frac{1}{2}$ diameter,
Output: 10,020 tablets per minute.

33 Punch model for tablets up to $\frac{1}{2}$ diameter,
Output: 12,030 tablets per minute.



MANESTY MACHINES LIMITED

5 SPEKE HALL ROAD, LIVERPOOL, 19.

TELEPHONE: HUNTS CROSS 1321.

TELEGRAMS: MANESTY, LIVERPOOL

P

P

P

P

P

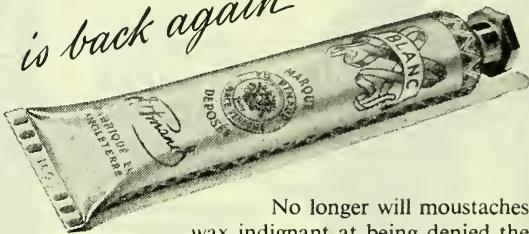
P

P

P



TRADE MARK

PINAUD**"POMMADE HONGROISE"***is back again -*

No longer will moustaches wax indignant at being denied the encouragement they enjoyed in pre-war days . . . POMMADE HONGROISE has returned! Always one of Pinaud's most popular toilet preparations, POMMADE HONGROISE Moustache Wax will again be a good steady selling line. Details of prices and supplies (which are not yet as plentiful as in the old days), from leading wholesalers, or from PINAUD LTD., ATKINS ROAD, LONDON, S.W.12

P.S. There is a distinct possibility that shortly we shall be able to announce the return of two more PINAUD favourites!

Members of the P.T.A. and H.T.A.

PINAUD

PARIS

LONDON

NEW YORK

P

P

P

P



Potter's
Catarrh Pastilles



Revised
Prices from
Sept. 1st

RETAIL
1/3 each
WHOLESALE
9/- per doz.
plus Tax 1/6

NOV.

9

POPPI DAY
REMEMBER
GENEROUSLY

.....are still in short supply.
WE do our utmost to equalise dis-
tribution to Chemists.

YOU can help by ensuring that
those whose need is greatest receive
their share. Please economize.

POTTER & CLARKE LTD.

60 - 64 ARTILLERY LANE, LONDON, E.I.

and

77 DANTZIC STREET, MANCHESTER 4

POST-WAR MARKET NEWS

summarising post-war opportunities, special notices, new packaging and new products

WE THANK YOU

for your patient co-operation and appreciation of our difficulties in maintaining an equal distribution of supplies. As soon as restrictions are eased, we will assure you of our best possible service.

Druggists' Sundries; Toilet Requisites; Surgical and Rubber Appliances. Contraceptives.

Burge, Warren & Ridgley, Ltd.

45, CITY ROAD, LONDON, E.C.1

Phone : CLE 1710. & 5371 "Drugsund, Finsquare, London."

Grams :

The Soapless Shampoo



"Unique qualities. Unusually powerful foaming. Freedom from drying action. Delightfully perfumed. A PROFITABLE LINE:

Cost per gross £3 4 0 inc. P.T. Sell per gross £4 10 0 inc. P.T. Profit per gross £1 6 0."

R: DEMUTH LTD, Farnham, Surrey

Victory V

GUMS & LOZENGES

make you many
WARM friends

FRYER & CO. (Nelson) LTD. NELSON, LANCS

D.D.T. FLY PAPERS!!

At last death to flies

No more sticky messy flypapers, here is the amazing D.D.T. for sale in a unique form. NO mess, NO trouble, the season's best seller. Repeat sales at once. Write for sample order now. Retails at 4½d. Cost 36/- per gross. Orders executed in rotation.

Sample gross C.W.O. — Trade enquiries invited.

B.B. INSECTICIDES

2 BELGRAVE PARADE

STOKE POGES LANE

SLOUGH - - BUCKS

Dr. KNOX'S Antiseptic Smelling Salts

NOW AVAILABLE IN QUANTITY

Packed in 1 Dozen - Show Outers

Retail 1/3 - Trade 9/- dozen
plus ½ Tax

JOHN KNOX

Cannon St., Hanley
STOKE-on-TRENT

36/38 Dean St.
BIRMINGHAM, 5

A reputation for reliability . . .

"Sentinel"

ALL COTTON WOOL

SANI-TOWELS

"with the soft seamless knitted covering"
SIZES 1, 2, 3 AND MATERNITY also

'KUMFEX' SOLUBLE (all with loop ends)

*Supplies unfortunately restricted at present

SPLENDOR LTD. Nottingham & London





WHEN CUSTOMERS ASK FOR ASPIRIN

The chemist who recommends 'Tabloid' brand Aspirin is doing more than effecting an immediate sale — he is building up valuable goodwill. Customers are quick to appreciate the fine finish, rapid disintegration and consistent action of this high-quality product. Display and recommend 'Tabloid' brand Aspirin; every sale is a worth-while transaction.

'TABLOID' BRAND ASPIRIN

Gr. 5, bottles of 25, 1/0, plus 1½d. Purchase Tax.

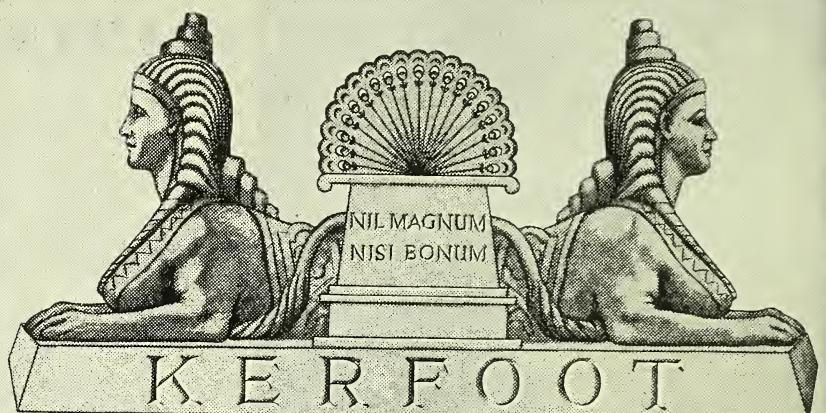
Gr. 5, bottles of 100, 2/10, plus 4½d. Purchase Tax.

Retail prices, subject to trade discount.



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

For OPHTHALMIC TABLETS



THOMAS KERFOOT & CO. LTD. VALE of BARDSTY, LANCASHIRE

ACTRON

BRAND

ANALGESIC and ANTIPYRETIC

FORMULA :

		CACHETS
Quinine	.. ..	0·096 grams
Caffeine	.. ..	0·054 "
Phenazone	.. ..	0·150 "
Phenacetin	.. ..	0·250 "
Magnesium oxide	.. ..	0·100 "

INDICATIONS :

INFLUENZA and feverish colds.
NEURALGIA, RHEUMATISM and
HEADACHES.
DYSMENORRHœA.
PAIN following teeth extraction.

Available in boxes of 4 and 12 cachets

FERRAEMIA

BRAND

FOR ANAEMIA

FORMULA :

Ferrous Sulphate exsicc.	2½ grains
Dried Yeast	2 "
Copper Sulphate	1/10 "
Manganese Hypophos.	3/8 "
Excipient and coating	8 1/2 "

INDICATIONS :

As a tonic during convalescence and
in debilitated conditions.
Anaemia of Pregnancy.
Nutritional Anaemia.
Idiopathic Hypochromic Anaemia.

Available in bottles of 60 and 1000 tablets

WILCOX, JOZEAU & CO. LTD.

74-77 White Lion Street, London, N.I.

19 Temple Bar, Dublin



The CHEMIST AND DRUGGIST

For RETAILER—WHOLESALE—MANUFACTURER

Published weekly at 28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "CHEMICUS, ESTRAND LONDON."

Telephone: CENTRAL 6565 (10 lines)

CONTENTS

A Penicillin Screen ...	593	Irish News ...	583
"Attempt to Suppress" a South African Proprietary	615	Judgment in "Friendly" Action	587
Birth ...	588	Legal Reports ...	586
Business Changes ...	591	London Nursing Exhibition	601
C. & D. Dispensing Price List	600	Marriages ...	588
Coming Events ...	605	Miscellaneous Inquiries	613
Company News ...	584	National Pharmaceutical Union	592
Correspondence ...	608	News of the Week ...	581
Deaths ...	588	Overseas Trade News	614
Editorial Articles:—		Personalities ...	589
The Label and the Law	597	P.A.T.A.	591
Vial or Pack?	599	Speech Day at Manchester	606
Back to Mincing Lane	599	The Week in Parliament	594
F.B.I. on Trade Relationship with Government	602	Topical Reflections	585
Fifty-five Years in Pharmacy	604	Trade Marks	616
Industrial Photography	603	Trade Notes	590
		Trade Report	609
		Ulster Chemists' Association	607

NEWS OF THE WEEK

Anæsthesia Centenary Celebrations.—part of celebrations marking the centenary of anæsthesia, the Association of Anæsthetists held a dinner in London, recently.

Commercial Travellers' Benevolent Institution.—The annual court of governors of the Commercial Travellers' Benevolent Institution will be held at 48 Frederick's Place, Old Jewry, London, E.C.2, at 12 noon on December 28.

Withdrawal of D.D. Authorities.—The Home Secretary has withdrawn from William George Burns, M.A., Ch.B., 30 Wynnstay Gardens, Kensington, London, S.W.8, his authorities granted by the regulation made under the Dangerous Drugs Acts.

October Exports.—Relying on November 5 to the debate in the House of Commons on home and overseas trade, Mr. Marquand, Secretary for Overseas Trade, said exports for October were estimated at 91 millions.

Rheumatism Centres.—Sir Wilson Jameson (Chief Medical Officer of the Ministry of Health) told a recent conference of the

Empire Rheumatism Council that, under the National Health Service, centres for rheumatism diagnosis and research would be established in conjunction with university medical departments.

Value of Whale Protein.—The Department of Scientific and Industrial Research is sending a team of scientists to the Antarctic to study the possibilities of using whale meat for human food. From work previously carried out there are indications that, as a result of the submarine adaptation of the whale, the proteins of whale meat are of greater value for human growth than those of the meat of land animals.

Science in Education.—Sir Jack Drummond (research director, Boots Pure Drug Co., Ltd.), addressing a meeting of the East Midland branch of the Association of Scientific Workers, at Nottingham recently, gave a warning against raising science to the position of a god. Many scientists had become so wedded to their doctrine that their judgment was warped. Science, said the speaker, should be given a more balanced part in education.

Soap for Expectant Mothers.—The Minister of Food announces that expectant mothers whose confinement takes place at home, i.e., other than in a nursing home, hospital or other institution, may now have four additional rations of soap to meet their special needs. Application should be made to the local food office at the time of the official renewal of the R.B.2 ration book, or at any time within three months of the expected date of birth of the child.

"Britain Can Make It" Exhibition.—It is announced that this exhibition, at the Victoria and Albert Museum, South Kensington, London, will in future be closed to the public on each Friday morning from 9.15 a.m. to 1 p.m., and admittance will be restricted to directors, managers and trade buyers of industrial and commercial establishments and foreign visitors, who may obtain admittance on presentation of signed business cards. The exhibition will remain open until December 31.

Increased Sweets Ration.—The Minister of Food has issued a general licence increasing the amount of sugar confectionery, for re-manufacture only, which a manufacturer may obtain in each ration period, without the surrender of personal points, to 5 per cent. of the total quantity obtained during the twelve months ended June 30, 1939. The maximum quantity obtainable in each ration period remains unaltered at 1 cwt. The increase comes into force on November 10.

Television in Colour.—A method of reproducing colour for television entirely by electronic means was demonstrated at Princeton recently by the Radio Corporation of America. Three kinescope tubes receive separate signals representing red, blue, and green colours. The colour images are then projected optically on to a screen where they merge to form a colour picture. In transmission a light beam is focussed through a film containing the original colour picture. The beam is separated by a system of photo-electric cells and mirrors into the three colour components, which are transmitted continuously as separate units, to be merged again on the receiving screen.

Advances in Tropical Medicine.—Starting results have been obtained by intravenous injections of phenanthridinium 1553 in the fight against nagana in Northern Rhodesia, according to Mr. J. H. N. Hobday, a speaker at the Pan-African Trypanosomiasis Conference, held recently in Lourenco Marques (Portuguese East Africa).

In his opinion this drug was a big advance and put science in a stronger position than ever before in the combat against the tropical disease.

LOCAL NEWS

Savings Prizewinners.—Duncan, Flockhart & Co., Edinburgh, were the winners of a shield in a savings competition organised in Edinburgh.

Wine Licence Refused.—An application by St. Cuthberts Co-operative Association Ltd., for a wine licence for their pharmaceutical branch at 22 Bread Street, Edinburgh, was refused at a recent session of the Edinburgh licensing court.

Aberdeen Shop Control.—Aberdeen Town Council has announced that it will build and let all retail shops in its new housing areas, thus preventing the development there of privately-owned and erected shops.

Liverpool Salaries Conference.—At a joint conference of the British Association of Chemists and the Association of Scientific Workers, held recently in Liverpool, a resolution was passed approving of the introduction of minimum salary scales for the chemical profession.

Merseyside Women Pharmacists.—Merseyside branch of the National Association of Women Pharmacists has been formed and the following officers elected: President, Miss M. G. Dodd; Treasurer, Mrs. E. Jones; Secretary, Mrs. M. Towne 16 Hurst Bank, Rock Ferry.

Northumberland Golf Cup.—A competition cup in silver has been presented by the Northumberland and Durham Chemist Golfing Society by Johnson & Johnson (Great Britain), Ltd. The trophy was formally handed to the Society by Mr. Ingram Duncan (the company's local representative).

Cosmetic Lecture.—An audience of 14 members and visitors heard Mr. Frederick Dallow (Ashley & Weeks, Ltd.) lecture on the small-scale manufacture of cosmetics and perfumes at a recent meeting of the West Ham and East Metropolitan Branch of the Pharmaceutical Society. The lecture was illustrated by means of an epidiascop loaned by May & Baker, Ltd.

Thames Valley Penicillin Lecture.—An audience of nearly 200, including many doctors, attended a recent meeting of the Thames Valley Pharmacists' Association to hear Dr. G. R. Boyes, Ph.C., lecture on "Penicillin at the Dispensing Counter."

ter the lecture Mr. B. J. Thomas, M.P.S., gave a practical demonstration of the dis-
sing of penicillin preparations.

Chemistry Displays at an Exhibition.—part of its fiftieth anniversary celebra-
ns, the Northern Polytechnic, Holloway,
ndon, N.7, held recently an exhibition of
ents' work and scientific experiments,
ing among other subjects with the
nufacture of dyes and drugs from coal;
extraction of oils and fats; botanical
periments; bacteria; and zoological
cimens.

Manchester Masonic Meeting.—At the
ual meeting of the Manchester Phar-
ceutical Masonic Association held re-
tly in Manchester, the following officers
elected: *Chairman*, Bro. S. S. Renton; *C.*, Bro. S. H. Hummel; *Treasurer*, Bro.
Wild; *Secretary* and *Vice-chairman*,
G. V. Tyler, Central Buildings, Chor-
Road, Swinton, Lancs. The meeting
concluded with a programme of music.

Hospital Salary Scales.—At a recent
eting of the London branch of the Guild
Public Pharmacists, Mr. D. Currie (presi-
nt) said the Joint Negotiating Committee
spital staffs) scales compared favourably
th the Whitley scales for local govern-
nt officers. They should be viewed in
tion to the bad conditions obtaining
en negotiations began. As a result of
tinued negotiations further increases
re about to be made. When the general
el of salaries throughout the country was
re satisfactory, a cost-of-living bonus for
ondon would be asked for.

Bournemouth N.H.S. Discussion.—An
allience of 150 heard Dr. R. Clitherow,
P. (general secretary, Registered Phar-
acists' Union) address recent meeting of
Bournemouth Pharmaceutical Associa-
on "Pharmacy in the National Health
vice." Dr. Clitherow gave an account of
negotiations which had taken place on
Bill, and said he had been able to ensure
t dispensaries in health centres would be
ject to the same supervision as private
tractors. The private pharmacist had
ing to fear if he gave a first-class
ice. The Bill stated that dispensing in
lth centres would be under the super-
on of a pharmacist; it was essential to
ent one pharmacist from supervising a
en unqualified dispensers. Dr. Clitherow
ed that pharmacists should unite, with
ir qualification as a common bond, in
Registered Pharmacists' Union. Mr.
lehalgh, in discussion, said there was no
d for State dispensaries.

IRISH NEWS

Whaling Ship's Dispensary.—The new
whaling ship "Balaena" which left Belfast
for sea trials recently is equipped with a
ship's hospital, including a modern oper-
ating theatre and dispensary.

Dublin Dramatic Society Dance.—The
300 guests at a dance held in Dublin recently
by the Pharmaceutical Chemists' Dramatic
Society included Mr. J. K. Whelehan
(president of the Pharmaceutical Society
of Ireland) and Mrs. Whelehan. Members
of Irish chemists' social, sporting and
students organisations were present. The
proceeds of the dance will be used to finance
the production of a three-act play in
Dublin.

Eire Chemists' Rugby Club.—The
annual meeting of the Chemists' Rugby
Club was held in Dublin on October 16, Mr. D. J. Nugent (president) in the chair.
Mr. P. J. Moran (secretary), reported on the
activities of the past year. The following
officers were elected: *President*, Mr. J. K.
Whelehan; *Vice-President*, Messrs. F. X.
Meagher, D. J. Nugent, M. Costelloe, L. G.
Smith, P. F. McGrath, M. Nicoll, G. C.
O'Neill, J. J. Roche, F. Roche; *Captain*,
Mr. C. Foley; *Vice-captain*, Mr. A.
Hennessey; *Secretary*, Mr. P. J. Moran,
197 North Circular Road, Dublin; *Assistant
Secretary*, Mr. G. Dawson; *Treasurer*, Mr.
J. J. Tierney; *Committee*, Messrs. P.
Twohig, M. Kissane, P. Murphy, L. Sexton,
R. Shore.

Gaelic Athletic Club.—Mr. P. C. Cahill
was in the chair at the annual meeting of
the Chemists' Gaelic Athletic Club, held
recently in Dublin. The large and represen-
tative attendance included Mr. P. A. Brady
(vice-president, Pharmaceutical Society of
Ireland), and Messrs. J. Gleeson, F. X.
Meagher, G. O'Neill, and C. J. Cremen
(members of the Council). Mr. Seamus Fox,
Ph.C. (secretary), stated that the club had
every reason to be proud of its activities
during the year. The senior team had been
beaten only by a narrow margin in the
semi-final. The club might well look for-
ward to winning the McGeady Cup in the
coming season. Mr. T. Banks (treasurer),
reported that the club's finances were in a
healthy state. A vote of thanks to the phar-
maceutical press for the publicity given to
the club's activities was passed. The follow-
ing *Committee* for the next twelve months
was elected: Messrs. P. C. Cahill, T.
Banks, T. O'Keefe, P. Cosgrove, G. Henry,
J. Casterley, B. Kissane, M. Moore, Kevin
Banks, and Seamus Fox.

COMPANY NEWS

LANE MEDICATED PRODUCTS, LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturing chemists, druggists, etc. Wm. E. Moffatt and Jas. H. Moffatt, directors. R.O.: 24 Eastcheap, London, E.C.3.

SPEEDOIL (GREAT BRITAIN), LTD. (P.C.)—Capital £500. To carry on the business of chemists, druggists, etc. First directors are not named. R.O.: 20 Chandos Avenue, Whetstone, London, N.20.

T. T. NICHOLSON, LTD. (P.C.)—Capital £2,000. To carry on the business of chemists, etc. Wm. R. I. Nicholson, M.P.S. and Thos. L. E. Nicholson, directors. R.O.: 125 Hampstead Road, London, N.W.1.

ANTIGEN, LTD. (P.C.)—Registered in Dublin. Capital £10,000. To carry on business as chemical and biological manufacturers and bacteriologists, etc. The first directors are not named.

CUPID PRODUCTS, LTD. (P.C.)—Capital £300. To carry on the business of manufacturers, exporters and importers of medicines, drugs, proprietary articles, etc. The first directors are to be appointed. R.O.: 45 Main Street, Callander.

ANN CAVENDISH, LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in perfumes and cosmetics, etc. Stanley C. Jay and Mrs. Ann A. Jay, both of 16 Albemarle, Parkside, Wimbledon, London, S.W.19. directors. R.O.: 18 Maddox Street, London, W.1.

HELLERBERG INTERNATIONAL (LONDON), LTD. (P.C.)—Capital £1,000. To act as purchasing and shipping office for their associate companies in Denmark, Norway, Sweden and the U.S.A. H. Hellerberg (Danish), director. R.O.: 8 Drapers' Gardens, London, E.C.2.

W. A. TOWNSEND, LTD. (P.C.)—Capital £4,000. To carry on the business of manufacturers of and dealers in chemicals, gases, drugs, medicines, etc. Osman J. Betty, The Wycke, Long Ashton, nr. Bristol; Geo. R. Hannah, 128 Shirehampton Road, Bristol, 9; and Edith M. Payne, 46 Passage Road, Westbury-on-Trym, directors. R.O.: 41 Corn Street, Bristol, 1.

F. A. BILLINGTON (CHEMISTS), LTD. (P.C.)—Capital £1,000. To carry on the business of wholesale and retail chemists, etc. Frederick A. Billington, M.P.S. and Albert S. Harris, M.P.S., directors. R.O.: 157 Oldbury Road, Whiteheath, Rowley Regis, Staffs.

DARRICOTTE CHEMISTS, LTD. (P.C.)—Capital £300. To acquire the business of a chemist carried on by A. D. Fox, M.P.S., at 81 Ulleswater Road, Lancaster. A. Darricotte and G. D. Darricotte, both of 112 Chorley Road, Walton le Dale, Preston, and Harold Fieldhouse, M.P.S., 15 Malvern Avenue, Lancaster, directors. R.O.: 81 Ulleswater Road, Lancaster.

ALFRED GREEN (CHEMICALS), LTD. (P.C.)—Capital £2,000. To acquire the business of wholesale chemical merchant carried on by A. Green at Upper Cross Street, Northampton. Alfred Green, 11 Ardington Road, Northampton; and Leslie Green, 69 Admitt Road, Northampton, directors. R.O.: Upper Cross Street, Bath Street, Northampton.

LEVER BROS. & UNILEVER, LTD.—The board of this company is to recommend to the annual general meeting a dividend of 5 per cent. (actual 1s. per £ of stock), less income tax.

IRISH PHARMACEUTICALS, LTD.—The report presented to the fourteenth annual general meeting of the company, held in Dublin recently, showed that both I.P. Ltd and its subsidiary companies had experienced a successful year. Moving the adoption of the report and statement of accounts for the year ending June 30, Mr. S. McCauley, chairman and managing director, referred to the substantial increase in net profit, which was mainly attributable to the increased turnover, in itself a good indication of the progress of the company. The sales for Dawn, Ltd., were much the same as for the previous twelve months. Since June 30, the turnover had continued to expand and in spite of many difficulties with which they had to contend the directors were hopeful of presenting an even more satisfactory report at the end of the current financial year. Following the termination of the war there had been some improvement in the general supply position of raw materials, but this had deteriorated over the last six months, and for several commodities the prospects in regard to replenishments were very remote. Throughout the emergency period one of their greatest standbys had been the Irish Glass Bottle Co., who met all demands in full. They had been remarkably successful in the number of proprietaries which they had sold. Contemplated extensions were estimated at between £4,000 and £5,000.

November 9, 1946
The suggested generally (p. 1)
compositional
can be seen in
the will
ility. As you
naceutical pro
ars. Going
als of this
be deduced
intervals in
the pharmace
tus and A
the intervals
the older
erty six ye
eading for
ge in less t
ence to the
greatest a M
"auxiliary" th
strengthening
portions to
ous solution
ed under
containe
ivity; th
the volv
scovered.
s of Pa
good regulat
that, howev
pecta sho
neatly
and betw
it wi
A.B.C.
The ser
central p
of the man
in even
early ke
organisati
the endea
ment (ben
the chem
Country's
conomy of

TOPICAL REFLECTIONS

Leaves or Addenda

The suggestion, on which you comment editorially (p. 565), that future British Pharmacopœias might be issued in loose-leaf form is one of those superficially attractive ideas that will not pass the test of practicality. As you point out, the pace of pharmaceutical progress has increased in recent years. Going back in the pharmaceutical annals of this country, the same process may be deduced from a comparison between the intervals in publication of the ten London pharmacopœias and those of the six British Pharmacopœias. Disregarding reprints and Addenda, the average of the nine intervals between the publication dates of the older set of books is approximately twenty-six years, whereas that of the corresponding five intervals between 1864 and 1932 is less than fourteen years. Your reference to the wear and tear of the volumes suggests a Miltonic prospect of the equivalent of "autumn leaves in Vallombrosa" strewing the floor of the dispensary. Two objections to what may be called a foliose solution of the problem seem to be conclusive. The first is that a book published under statutory authority must be self-contained or must lose some of its validity; the second is that a satisfactory way of indexing loose-leaf additions to a printed volume is, so far as I know, undiscovered. It may be argued that even Acts of Parliament are now subjected to a good deal of tinkering, by means of official regulations, after they come into force. That, however, is no reason why a Pharmacopœia should undergo the same treatment. The nearer we can get to a ten-yearly interval between British Pharmacopœias, the better it will be.

An A.B.C.M. Memorandum

The serious statement on the German chemical industry made at the annual meeting of the Association of British Chemical Manufacturers (p. 562) merits the attention of every good citizen. It cannot be too clearly kept in mind that, as Mr. J. H. Morgan has shown, responsible men in Germany started on a course of deception towards the Allies as soon as the war of 1914-18 ended. The chairman (Mr. L. P. O'Brien) of the A.B.C.M. holds, as the outcome of experience in two world wars, that the chemical industry of Germany is that country's greatest asset "in her peace-time economy and in her war potential." At the time of writing, the chairman's question

about the fate of the Association's memorandum on the post-war treatment of that industry remains unanswered: it may be that it was not regarded as "front-page news" in Government circles. He points out that Germany is being allowed to make "dyestuffs and pharmaceuticals" beyond domestic needs and to export "substantial" quantities; he foresees a possibility of "the dangerous organisation which had gained so much power in the world in the years before 1939" being re-established. Probably there are people ready to point out that German exports will ease the burden of running expenses falling on Great Britain; but why should these potentially dangerous exports be selected?

A Scholarly Exhibition

The exhibition at the Wellcome Historical Medical Museum commemorating the centenary of the general use of anaesthetics in surgery (p. 567) is, like earlier exhibitions at the former premises of the Museum in Wigmore Street, distinguished by a wealth of apparatus, books, prints and so forth arranged with fastidious taste. The spacing of the exhibits is admirably calculated, and the descriptive cards are models of good lettering. The exhibition remains open till December 31. Your mention of the books and manuscripts on view reminds me that an expert in such matters whom I met casually last week gave the Wellcome library high praise. We may easily forget the risks attending major operations in pre-anaesthetic days. Speed was, of course, essential to the operating surgeon. A bell rung at a London hospital to summon attendants to an operation, and now shown in this exhibition, is a grim reminder of those conditions. As you remark, Priestley, Davy and others contributed their respective suggestions towards the scientific use of suitable gases for producing the desired unconsciousness. It may be recalled that at University College Hospital, only a short walk from the Wellcome exhibition, William Martindale, father of the late Dr. W. H. Martindale, assisted Liston in the historic operation performed on December 21, 1846. As is well known, Mr. Martindale was joint author with Dr. Westcott of the "Extra Pharmacopœia," and a president of the British Pharmaceutical Conference. Even surgical operations have their humours: it appears that a child born in 1847 was named Anaesthesia. Perhaps some children born in 1946 are being christened Penicillin.

Xrayser

LEGAL REPORTS

Combs at Excessive Prices.—At Kidderminster on October 11, fines totalling £20 were imposed on an Indian pedlar, Erfan Ullah, and his English assistant, Betty Lloyd, both of Summer Lane, Birmingham, who pleaded guilty to a series of charges relating to the sale of combs. Three combs had been offered to an inspector at Ullah's stall at Kidderminster market on March 7 at 100 per cent. more than the controlled price. Each defendant was fined £10.

Under the Influence of Sal Volatile.—A plea that he was affected by a dose of sal volatile was put forward on behalf of Charles H. Rose, a metallurgical chemist, South Wolverhampton, who, at Bilston, Staffs, recently, was fined £10, with £6 6s. costs, for driving a motor-car while under the influence of drink. He was also disqualified from driving for a year. For the defence it was intimated that Rose had not taken any intoxicating drink, but, not feeling well, had mixed himself a dose of sal volatile. His condition was due to its being a little stronger than he anticipated. When the Clerk questioned the plea of guilty, in view of that explanation, it was stated that "drink" did not necessarily mean an ordinary drink at a licensed house.

Pharmacy Director's Binoculars.—Stated to be now a director of a pharmacy company but formerly a racecourse bookmaker, Albert James Gardner, 122 Torridon Road, Catford, sought at Clerkenwell county court recently, to recover two pairs of binoculars, value £21, £2 damages for their detention and £4 in respect of money lent from Harry Taylor, Canonbury. Plaintiff said he gave up the bookmaking business on February 2, the last day on which he had attended a race meeting. Defendant had been employed by him as a tic-tac man. The binoculars were provided by him for Taylor's use while working. The judge said he could see no particular reason why the plaintiff should have given the glasses to the defendant, and he was satisfied that they were not given to him. Judgment would be for specific delivery of the binoculars, £2 damages, and £4 in respect of money lent, with costs.

Pharmacy Act Fines.—At Reading magistrate's court on October 25, Brian S. Fidler, trading as Fidler & Sons, Friar Street, Reading, was fined £3 for selling a preparation known as Pearson's weed-killer, a poison included in Part II of the Poisons List, without its being labelled with the

name and address of the seller; he was fined £1 for selling the preparation labelled with the words "poison" modified in meaning by the addition of other words, and £1 for selling the preparation without labelling the container in the prescribed manner. Failing and abetting in the last two offence Pearson's Antiseptic Co., Ltd., 172 Buckingham Palace Road, London, S.W.1, we fined a total of £20, with costs. Defendant pleaded guilty. An inspector under the Pharmacy and Poisons Act, 1933, pointed out that there were words on the tin stating that the weed-killer was non-poisonous.

Maximum Fine for Poison Sale.—The maximum fine of £5, with costs, was imposed recently by the district justice at Waterford, Eire, district court on Philip Fox, Ph.C., Waterford and Tramore, for having sold, at his Waterford premise through an unqualified assistant, an ointment containing ammoniated mercury. The Pharmaceutical Society's solicitor said the Society took a serious view of the case particularly in view of the defendant's failure to give an undertaking that he would employ a qualified person. Without such an undertaking, he said, the Society felt that it would be necessary to report the matter to the Minister for Justice, which might involve the defendant in having his name removed from the register. The district justice said it seemed to him to be a serious kind of offence for which the maximum penalty did not seem to be at all what it ought to be.

Manslaughter Verdict.—Sentence of six years' penal servitude was passed at the Belfast Commission on October 21 on Thomas E. Stephenson, aged sixty-one, registered druggist, Wellington Street, Belfast, who was found guilty of the manslaughter of a twenty-two-year-old woman by performing an illegal operation. The woman had died in hospital on August 28 and Stephenson had been tried on a charge of murder. Stephenson collapsed when he heard the sentence. The judge said he could not resist the suggestion that it was not the first time that Stephenson had performed an operation of the kind. The evidence in the case and the way in which the woman got in touch with him certainly suggested he was a person holding himself out as willing to perform an illegal operation. Counsel for Stephenson said he had been in business in Belfast since 1904 and on his own account since 1926. He had an unblemished record.

JUDGMENT IN "FRIENDLY" ACTION

MR. JUSTICE WYNN-PARRY, on October 25, delivered his reserved judgment in the summons taken out by Potter & Clarke, Ltd., London, against the Pharmaceutical Society of Great Britain (see *C. & D.*, November 2, 560). He said the Act provided that no person should sell by retail any article consisting of or comprising a substance recommended as a medicine unless he was an authorised person as described in Section 1, and it was a defence for a person charged with selling in contravention of the section to prove that the sale was effected in a shop, and that the article was sold under proprietary designation. The summons asked whether certain specific substances, when sold in a wrapper or container labelled as described, were substances "recommended as a medicine" as defined by the Act.

Dealing separately with each of the substances mentioned, his lordship said that senna pods, when purchased by retail customers, were bought only for the purpose of making an infusion which was used as a laxative or purgative, for which purpose their use was well known to the public. When sold by the plaintiff company they bore on the label the company's name and the words "senna pods." It appeared to him that a sale did not contravene the Act unless it could fairly be said that in some form or another there was a recommendation of the substance as a medicine. In regard to senna pods he answered in the negative the question in the summons.

As to fluid extract of cascara sagrada, it was sold under a label on which appeared the trade mark of the vendor, the words "fluid extract of cascara sagrada," underneath that "British Pharmacopœia," and below that "Dose, half to one teaspoonful in half a wineglassful of water." In his view those words were clearly calculated to lead a purchaser to buy the bottle for the sole purpose of preventing or treating an ailment. The reference to the British Pharmacopœia informed the reader that the contents were the subject of a monograph in the British Pharmacopœia and the reference to the dosage made it clear that the contents were offered for sale for no other purpose than, broadly speaking, as a medicine. As to fluid extract of cascara sagrada labelled as described, he answered the question in the summons in the affirmative.

With regard to lemon and squill linctus, a linctus was a preparation used in the

treatment of coughs, and lemon was regarded as a popular remedy for coughs. Squill was used as an expectorant in the treatment of coughs. So far as lemon and squill linctus was concerned, he also answered the question raised in the affirmative.

"Emphasis" Given by Dose

Dealing with compound rhubarb pills, they were sold by plaintiffs under a label on which appeared the words "Dose, 1 or 2 at bedtime." The word "pills" indicated of itself that the substance was offered as a medicine, and this was emphasised by the reference to the dosage. In respect to compound rhubarb pills as sold, he again answered the question in the affirmative.

As to effervescent powders, they were purchased as a war-time substitute for Seidlitz powders, which were a well-known mild purgative. On the label under which "extra strong effervescent powders" were sold the directions for use were set out in the following terms: "Dissolve the contents of the blue paper in half a tumbler of water, then add powder in the white paper and drink while effervescent. Take first thing in the morning on an empty stomach." The question was whether powders so sold were being "recommended as a medicine." The use of the word "powders" indicated that they were offered as a medicine, the description as a "war-time substitute for Seidlitz powders" was equivalent to describing them as a mild purgative and the direction as to taking them "first thing in the morning on an empty stomach" was offering them for human consumption. In this case he again answered the question raised in the affirmative.

A Proprietary "All Fours"

Proceeding to deal with "all fours" chest and lung mixture, his lordship said the question was whether it was sold under a proprietary designation when sold in bottles as described. To come within that designation the words used must indicate that the goods were those of a particular person by virtue of manufacture, selection, certification, dealing with or offering for sale. It could not be said that two of the labels in question contained a proprietary designation. As to the third label, which contained the words "Pritchards extra strong all fours chest and lung mixture," he held that it did contain a proprietary designation within the meaning of the Act, and he answered the question with regard to that label in the affirmative.

BIRTH

HANNA.—In Dublin recently, Eithne (née Crowe) the wife of Captain G. D. Hanna (ex Royal Inniskilling Fusiliers) a director of Victor E. Hanna, Ltd., 68-72 Lower Mount Street, Merrion Square, Dublin, of a son.

MARRIAGE

ROWAN-LAW.—In Edinburgh recently, James Rowan, M.P.S., Main Street, Inveraray, Argyll, to Betty Thomson Law, M.P.S., 111 Main Street, Uddingstone.

DEATHS

ABELL.—Missing from an operational flight over France on August 9, 1944, and now officially presumed killed, Mr. Edwin Raymond Abell, M.P.S., 72 Queensgate, Bridlington, Yorks. Mr. Abell qualified in 1938.

BLACKIE.—At 25 London Street, Edinburgh, suddenly, on October 30, Dr. Joseph John Blackie, Ph.D., Ph.C., F.R.I.C., F.R.S.E., technical partner in Duncan, Flockhart & Co., chemists, Edinburgh. Dr. Blackie served his pharmaceutical apprenticeship with Mr. Christopher Hounam, Duns, Berwickshire. After four years' service in the war of 1914-18 in Gallipoli, Egypt, and France, he qualified in 1920 from Duncan's School of Pharmacy, Edinburgh, and joined the staff of Duncan, Flockhart & Co., as assistant laboratory manager. Two years later he passed the Pharmaceutical Chemist examination and in 1924 he was promoted laboratory manager. He became a partner in 1930, and since that time had been responsible for the manufacturing side of the business and for research work in connexion with the products issued. From 1925 Dr. Blackie served for various periods on the Pharmaceutical Society's board of examiners, of which, for a number of years, he acted as chairman. In 1935 he graduated Doctor of Philosophy, Edinburgh University, his thesis being on "The Alkaloids of the Genus *Senecio*." During work on the preparation of the thesis, all the British and



many foreign specimens of *Senecio* were examined and a number of new alkaloids isolated. Dr. Blackie was associated in the research with the late Professor Georg Barger, F.R.S. In 1936 he was elected Fellow of the Royal Institute of Chemistry and in the following year a Fellow of the Royal Society of Edinburgh. He was chairman of the local Conference Committee in connexion with the British Pharmaceutical Conference in Edinburgh in 1938 and on numerous occasions he contributed scientific papers to the evening meetings of the North British Branch of the Pharmaceutical Society. A memorial service was held in St. George's West Church, Edinburgh, on November 2.

DANIEL.—On September 17, Mr. Henry Graham Daniel, M.P.S., whose address in the Register is given as Webley Hotel, Domaels, Cards. Mr. Daniel qualified in 1911.

ESCRITT.—On October 11, Mr. Harold Teal Escritt, managing director of Escritt, Ltd., opticians, Brixton, London S.W.9, aged eighty-two. Mr. Escritt qualified as a chemist and druggist in 1887.

EVANS.—In July 1943, from malaria contracted while on service with the armed Forces, Mr. William Prys Evans, M.P.S., Park Avenue, West Twyford, London N.W.10. Mr. Davies qualified in 1938.

GOUT.—At Market Place, St. Ives, Cornwall, on October 16, Mr. Lawrence Frederick Gout, M.P.S., formerly of Walsall.

GRAY.—At Lochlea, Denny, Stirling, on October 27, Mr. John William Gray, M.P.S., 9 Broad Street, Denny, aged fifty-eight.

GREEN.—On October 5, Mr. William Green, M.P.S., 7 Watling Street, Elstree Herts. Mr. Green qualified in 1920.

IRVING.—At the Melitia private hospital, Takapuna, Auckland, New Zealand, on July 5, Mr. Eldred Irving, Ph.C., The Medical Hall, Victoria Street, Dargaville, New Zealand, aged seventy. Mr. Irving qualified as a chemist and druggist in 1901 and passed the Pharmaceutical Chemist examination in 1913. He was at one time on the staff of the Royal Naval Hospital Stonehouse, Plymouth.

JACKSON.—At his residence at Creditor Devon, on October 31, Mr. William Hodgkinson Jackson, aged eighty-eight. Mr. Jackson qualified as a pharmaceutical chemist in 1880, and was chairman of Ernest Jackson & Co., Ltd., lozenge manufacturers, Crediton.

JAMES.—On October 18, after a short illness, Mrs. Daisy Maude James, wife of Mr. G. M. James, M.P.S., 25 High Street, Hyl, Flintshire.

McGOWAN.—At Brookville, Fauld House, on October 22, Mrs. Lilias Shaw McGowan, wife of Mr. Halbert McGowan, 4 East Main street, Whitburn, West Lothian.

MCMILLAN.—On September 27, Mrs. Luned McMillan, wife of Mr. John McLellan, M.P.S., 25 Broadloan, Renfrews.

SMITH.—On October 9, Mrs. Rose Mary Smith, the wife of Mr. Alexander Smith, I.P.S., 26 High Street, Tring.

WAINE.—On October 30, Mr. Charles Oliver Wain, Tower House, Haslingden, formerly of 8 Church Street, Haslingden. Mr. Wain qualified as a chemist and druggist in 1886 and was for many years in business locally. He was a deacon at the local Congregational chapel, a director of Haslingden Union Gas Co., and a member of the local Liberal Club.

WALKER.—On October 14, Mr. Robert Swan McCubbing Walker, M.P.S., 28 Otago Street, Glasgow, W.2, aged sixty-three.

WINDLEY.—On October 14, Mr. Lawrence Windley, M.P.S., whose address in the Register is 99 Upwall Street, Sheffield, aged sixty-three.

WRIGHT.—Recently, Mr. Alfred William Wright, M.P.S., whose address in the Register is given as 6 Beaufort Road, Bristol, 7. Mr. Wright qualified in 1920.

WILLS

MR. THOMAS DAVID ARCHER, M.P.S., 34 Quemford Road, Holloway, London N.7, left £3,383, with net personality £3,114.

MR. DOUGLAS LESTER BREADNER, M.P.S., Underdale Avenue, Shrewsbury, left £1,941, with net personality £1,142.

MR. CHARLES EDWARD HILL, Ph.C., 17 Main St., Midleton, co. Cork, left estate in England and Eire valued at £4,131.

MR. JOSHUA ARTHUR HUGHES, Ph.C., The Square, Abercarn, Mon, left £14,288, with net personality £11,462.

MR. JAMES CHARLES CARTER, M.P.S., 16 St. Edmunds Road, Ipswich, left £655, with net personality £617.

MR. FREDERICK LENTON, 6 Bolsover Street, Leicester, founder of Lentons, Ltd., chemists, St. Saviours Road, Leicester, left £4,372, with net personality £2,008.

PERSONALITIES

MR. ERIC G. BALDOCK, M.P.S., was successful in the municipal elections at Dunstable, Beds, on November 1.

COUNCILLOR J. W. HUDDART, M.P.S., has been appointed to the Blackpool juvenile panel.

MR. JOHN LOMAX, M.P.S., Rylstone, Egerton Road, Merton, has been appointed a justice of the peace for the borough of Eccles, Lancs.

MR. MARTIN CONWAY, M.P.S., 113 Stretford Road, Hulme, Manchester, 15, has been elected to the Manchester city council.

MR. J. FAIRLEE, Ph.C., B. Pharm., son of W. A. J. Fairlee, M.P.S., 71 Lavender Hill, London, S.W.11 has qualified M.R.C.S., L.R.C.P.

SIR ALEXANDER FLEMING, discoverer of penicillin, received the freedom of his native town, the burgh of Darvel, Ayrshire, recently.

ALDERMAN CHARLES JENKIN, M.P.S., 86 Lower Bristol, Bath, retired recently at the age of seventy-two after being in business in Bath for over forty years. Mr. Jenkin has been a member of the Bath City Council since 1911 and was for a number of years chairman of the Bath Insurance Committee.

MR. GEOFFREY A. N. HIRST (chairman, Hirst, Brooke & Hirst, Ltd., Sheescar Works, Leeds, 7) has been appointed to the Yorkshire Regional Academic Board as representative of the Federation of British Industries, and to the Leeds-Hull Academic Board as representative of the Leeds Chamber of Commerce.

MR. H. M. TRANMER, M.P.S., has been appointed vice-chairman for the year of the Smethwick Insurance Committee. Mr. Tranmer is the only member of the Committee who has served continuously since the inception of medical benefit. He was chairman in 1932-34, and throughout his association with the Committee he has taken a keen interest in every aspect of the work.

ALDERMAN W. F. CUTTIFORD, M.P.S., has, for health reasons, resigned his seat on the Salford city council after twenty-three years' service. He has also retired from the chairmanship of Salford Pharmaceutical Committee, of which he has been a member since its inception in 1913, and for which he had acted as chairman for many years. Mr. Harry Stout has been elected chairman of the committee.

TRADE NOTES

Soapless Shampoo.—Cost and selling prices of Spic soapless shampoo are given in an announcement in this week's issue by R. Deinuth, Ltd., Farnham, Surrey.

Hormone Preparations.—Tuteur Bio-Chemicals, Inc., 60 Wall Street, New York, 5, N.Y., U.S.A., issue hormone preparations under the trade mark Tubichem.

"Barrel-hole" Blades.—The sole makers of Wardonia barrel-hole blades are Thomas Ward & Sons, Ltd., Wardonia Works, Sheffield, 1.

Porous Plasters.—A continued steady demand for Wilmuth porous plasters is reported by the manufacturers, William Mather, Ltd., Manchester, 15.

New Display Pack.—Bob Martin, Ltd., Southport, Lancs, have introduced a new display pack for Pestroy. The outer contains $\frac{1}{2}$ doz. drums of the small size.

Infants' Soothers.—Bay-ford Requisites, Ltd., 7 Great Castle Street, London, W.1, offer prompt delivery of tax-free rubber soothers.

Gingers.—Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, offer ground African and Jamaica gingers, oleo-resin and essential oil of ginger and weak, strong and B.P., 1885, tinctures of ginger.

Price List.—The October issue of Evans' price list A (drugs, chemicals, pharmaceutical, medical and veterinary products) has been issued by Evans Medical Supplies, Ltd., Liverpool and London.

Toilet and Surgical Sundries.—Swinnerton's, Shire Oak Warehouse, Walsall, Staffs, list in this issue a variety of combs, tooth-brushes, scissors, feeding-bottle teats, etc., prices of which are given.

Tonic for Anæmic Patients.—Leciferrin, Ltd., 4 John Adam Street, London, W.C.2, give, on another page, four reasons why chemists should stock and display Leciferrin lecithin iron tonic.

Natural and Synthetic Hormones.—Organon Laboratories, Ltd., Brettenham House, London, W.C.2, invite chemists to send for literature on natural and synthetic sex, cortical and trophic hormones.

Change of Title.—Optrex, Ltd., Perivale, Middlesex, announce a change of title from Optrex tulle to Optulle. The sole distributors are Charles F. Thackray, Ltd., The Old Medical School, Park Street, Leeds, 1.

Liquorice Sticks.—The sole concessionaires for the United Kingdom of Favell, brand Italian liquorice sticks are A. Elde Reed & Co., Ltd., Battersea High Street, London, S.W.1.

Added to Rationing Scheme.—From December 8, Clensel, manufactured by John Paterson & Co., Ltd., Orr Street, Glasgow S.E., becomes subject to the provisions of the soap rationing scheme.

Five-day Week.—From November 11 E. Griffiths Hughes, Ltd., manufacturers of proprietary remedies, together with its subsidiary companies, will operate a five-day week in their works, offices and laboratories.

Press Campaign.—Howard-Taylor, Ltd., 89 Kingsway, London, W.C.2, state that they are conducting an advertising campaign for Ventay bronchial tablets in the national and local Press during the autumn and winter months.

Show Material on Request.—C. E. Fulford, Ltd., Carlton Hill, Leeds, list in this issue the proprietary specialities of which they are the manufacturers and invite chemists to write for profitable quantity and display terms, and for show material.

Cold-weather Protection.—F. W. Hampshire & Co., Ltd., Sunnysdale, Derby, are conducting an advertising campaign in the national Press for Snowfire healing tablet a protective against the roughening effects of winter weather.

Tooth-brush Publicity.—An advertising campaign for Meritor tooth-brushes is being conducted in the national Press at the present time by the manufacturers, S. Mawson & Sons, Ltd., Aldersgate House, Barnet.

Moustache-wax Reappears.—Pinaud, Ltd., Atkins Road, London, S.W.12, announce that Pommade Hongroise moustache-wax is again available in Britain. A hint is thrown out that other Pinaud specialities may be available shortly.

Display Stand.—The Scholl Manufacturing Co., Ltd., 188 St. John Street, London, E.C.1, have introduced a new display stand for Scholl foot comforts to show the company's preparations for soft corns, callouses, small corns, bunions and corns.

Anti-dandruff Cream.—Clarkson, Wade, Ltd., Carlton Road, Burnley, Lancs, direct attention to their product Syndrum, an anti-dandruff cream which is available in jars of one size through the usual trade wholesalers or direct.

Machine or Hand-made Capsules.—Robert Ferber, Ltd., Carlton Works, Asylum Road, London, S.E.15, claim to make capsules of "everything which can go into a capsule". Home and export inquiries are invited.

Electric Bottle-warmer.—A new electric heating device, with automatic control, for warming baby foods, etc., is available from the sole distributors, Beautisales, Ltd., 35 Old Bond Street, London, W.1. The manufacturers are David Griffin, Ltd., Wimborne Road, Poole, Dorset.

Poppy Day Appeals.—Advertisers whose pace in the current issue of THE CHEMIST AND DRUGGIST is used to give publicity to the Poppy Day appeal on behalf of the British Legion include BURGOYNE BRIDGES & Co., Ltd., London, E.6; EFFREYS, MILLER & Co., Ltd., Wigan; and POTTER & CLARKE, Ltd., London.

Casein Hydrolysate.—Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts, are the manufacturers of Pronutrin brand casein hydrolysate, which is put forward for the treatment of acute and chronic protein deficiency, providing a readily absorbed source of nitrogen. The preparation is available in 1-lb. tins, and full details and literature will be sent by the manufacturers.

Price of a Pastille.—Attention is drawn by Potter & Clarke, Ltd., 60 Artillery Lane, London, E.1, to the price of Potter's catarrh pastilles, which was correctly given in the majority of copies of the October 26 issue of THE CHEMIST AND DRUGGIST, in which the company's announcement was devoted to this item. The new price, which became effective on September 1, was first given in THE CHEMIST AND DRUGGIST on September 7, but in a few number of copies of the October 26 issue an advertisement was inadvertently included which gave an obsolete figure. Subscribers who are in any doubt are referred to the company's announcement on another page of this issue.

Proprietary Articles Trade Association

Corrections to Protected List.—*Tokalon face powder*: Retail selling price, including purchase tax, is 1s. 9d., and not as quoted.

W. J. Rendell, Ltd.: Retail selling price of Ovastol, including purchase tax, should read 6s. 8d.

Wright, Layman & Umney, Ltd.: Retail price, including purchase tax, of Garlixa should read 2s. 4d.

BUSINESS CHANGES

AIMEE LLOYD & Co., Ltd., have removed to Station Road, Tenterden, Kent. (Telephone: Tenterden 216.)

MR. S. G. JONES, manager of the chemical department of Townson & Mercer, Ltd., Beddington Lane, Croydon, now has the following telephone number: Mitcham 1161, extension 13.

MR. WILLIAM COLTMAN, M.P.S., has left Hawick to take up an appointment in a Bermuda eye hospital. Mr. Coltman was stationed in Bermuda during his service in the Royal Navy.

CAPTAIN G. D. GUTTERIDGE, M.P.S., has been released from the Army and will shortly rejoin W. B. Cartright, Ltd., Rawdon, Leeds, as works manager.

LESLIE WALKER, Ltd., wholesale and retail chemists, 18 High Street, Doncaster, will shortly open a beauty parlour for the use of demonstrators from cosmetic manufacturers.

MR. C. L. G. JENKIN, M.P.S., and his sister, MRS. Q. M. SHUTTER, M.P.S., are carrying on the business at 86 Lower Bristol Road, Bath, founded by their father, Mr. Charles Jenkin, who has retired (see p. 589).

MR. F. W. POWELL has been appointed head of the representatives' department of May & Baker, Ltd., Dagenham, Essex. Mr. E. J. Shortt has been appointed representative for the midlands, and Mr. D. C. A. Barratt for the Eastern counties.

POLLOCKSHAWS CO-OPERATIVE SOCIETY, Ltd., have taken over the business of Mr. James Allan, M.P.S., 37 Harriot Street, Pollockshaws, Glasgow, S.3. Mr. Andrew Johnson, M.P.S., is superintendent chemist.

BURROUGHS WELLCOME & Co. are opening a branch at 18 Merrion Square, Dublin (telephone: Dublin 64460) on November 12. Mr. W. J. Webb, L.P.S.I., has been appointed as manager and Miss Eileen Flynn, L.P.S.I., as sales executive.

H. & G. DENSHAM, Ltd., dispensing chemists, 52 High Cross Street, Leicester, have taken over the business previously known as Belgrave Drug Stores, Belgrave Gate, Leicester. The firm has other premises in Leicester.

DR. G. V. JAMES, M.B.E., M.Sc., F.R.I.C., has been appointed director of research to British Disinfectant Co., Ltd., South Grove, Tottenham, London, N.15. Dr. James has just been released from the Army where he held the rank of major as a War Department Analyst.

NATIONAL PHARMACEUTICAL UNION

THE October meetings of the Executive Committee of the N.P.U. and directors of the Chemists' Defence Association were held in London on October 30. THE CHAIRMAN (Mr. H. Steinman), on behalf of all present, extended birthday greetings and good wishes to the secretary (Mr. G. A. Mallinson), and congratulations to Messrs. John Hague and A. R. Melhuish, who had received presentations from their local associations.

The need for increased supplies of liquid paraffin being made available to chemists was again emphasised, and further consideration was given to proposals in connexion with the control of advertising of proprietary medicines. The report of the Accounts Committee and the treasurer's report were submitted by THE TREASURER (Mr. A. R. Melhuish) and adopted.

Standardisation of Fluid Measures

As previously reported, the intention of the British Standards Institution's drafting panel is that the one-drachm graduation on fluid measures should be the smallest on the one-fluid-ounce measure, although the N.P.U. representatives, said THE SECRETARY in his report, had stressed the need for lower graduations. Messrs. Hearle and Noble (deputy secretary) had attended a meeting of the drafting panel on October 22, and a further report would be made when the business on hand had reached a more advanced stage.

THE SECRETARY reported that the first report on statistical evidence concerned with retail trade, and secured from independent traders by the Board of Trade, had been published in the "Board of Trade Journal."

Liaison with Doctors

Representatives of the Society and the N.P.U. attended a meeting with representatives of the British Medical Association on October 3, when discussions took place on the need for a National Formulary, rural area dispensing, and proprietary-medicine legislation.

Central N.H.I. Committee

THE CHAIRMAN of the Central N.H.I. Committee (Mr. A. R. Melhuish) submitted his report on a meeting of the Committee held on October 29. THE SECRETARY reported that the Co-operative Union had not yet appointed a representative to serve on the Committee. Conversations had been held with Ministry of Health officials with a

view to restoring the "double asterisks" to the undermentioned items required to be kept in stock so far as is practicable:—

Inf. gent. co. conc.
Ol. morrhue
Spirit chlorof.
Tinct. hyoscyam.
Inf. gent. co. ex conc.
Spirit. am. arom.
Tinct. card. co.
Tinct. stramon.

Owing to varying prices being charged for suspensory bandages, it had been arranged with the Ministry for chemists to endorse prescriptions with the net price charged by wholesalers when this exceeded the current Drug Tariff price (16.0d., including tax). Payment would be made accordingly, and pharmacists were asked to attach the invoice when making such claims. The need for a further general increase in Drug Tariff fees for 1947 was discussed, and the Committee had expressed its strong dissatisfaction with the present terms of payment to chemists for N.H.I. dispensing. Attention was again directed to the continued delay in payment of chemist accounts and, as a temporary expedient, was recommended that chemists should make individual application to the appropriate Insurance Committee for suitable monthly advances pending final settlement of their accounts. The question of the appointment of persons possessing a pharmaceutical qualification as superintendent to Pricing Bureaux was again considered. The report was adopted.

Price List and Publications

A report of the Publications and Price List Committee, held on October 30, Mr. G. H. M. Graham in the chair, was submitted and adopted. The report included suggestions for ten additional entries to the list, with the addition to the scale of dispensing fees of double fees for prescriptions dispensed during closing hours.

Joint Industrial Council

A meeting of the employers' side of the National Joint Industrial Council for Retail Pharmacy was held on September 27. Agreement was reached on a revision of the terms of the present J.I.C. scale to operate from January 1, 1947, subject to the N.P.U. Branch Conference giving the N.P.U. representatives the necessary mandate.

Details of loans granted and applications for new loans were included in the report at a meeting of the Business Services Committee held on October 29. The report was adopted.

Prices of Goods Acts

Preliminary discussions had taken place, the SECRETARY reported, at the offices of the Proprietary Articles Trade Association, between representatives of the P.A.T.A., I.P.U. and Chemists' Friends Association, in order to formulate proposals to be submitted to the Central Price Regulation committee with a view to securing approval for increased retail and wholesale margins of profits on proprietary medicines.

Silver Jubilee Conference

THE SECRETARY reported that 230 delegates had notified their intention to attend the Conference to be held in London on October 31. The final drafts of the Agenda and the Supplementary Agenda were reviewed and approved. An invitation had been extended to Mr. J. W. Belcher (Parliamentary Secretary, Board of Trade), to be present at the luncheon.

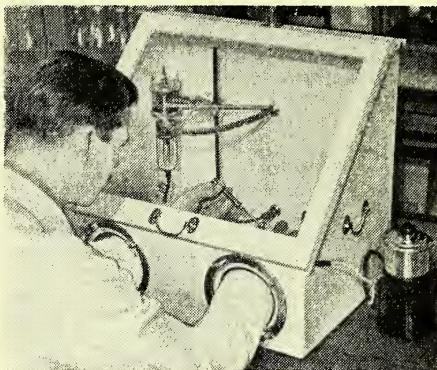
Chemists' Defence Association

AT a meeting of the directors of the chemists' Defence Association, the SECRETARY reported that settlements had been made in the following cases: £1,500, plus costs, paid in connexion with the supply of a preparation having an excessive phenol content; £15 15s. paid for personal injury sustained by a customer due to an insecure unblinder; £1 1s. for loss involved from sale of so-called turmeric powder supplied by a wholesaler; £3 paid as compensation for damage to clothing. Among applications received for advice, those referred to the Union's solicitors included four cases concerned with leases to property, and another with a fraudulent cheque; two inquiries under consideration were concerned with war-damage payments.

A PENICILLIN SCREEN

THE portable penicillin dispensing screen illustrated has been developed in the School of Pharmacy, Brighton Technical College, by Mr. H. B. Mackie, B.Pharm., Ph.C., head of the school. An electric strip-light fitted inside the cabinet immediately above the sleeve apertures provides glare-free illumination of the working area. Reduced pressure for filtration is available through a nipple in the back wall which is connected externally to a vacuum pump. The lower

nipple supplies gas for the micro-burner. Button-holes in the sleeves fit over bolts on the circumference of each aperture. A plated metal ring is then fitted over the edges of the sleeves, and a dust-proof joint secured by means of wing-nuts. The plate-glass viewing screen is fitted to a hinged frame which is specially flanged to make a dust-proof joint when closed. The base of the screen is lined with plate glass and all



One of several types of penicillin screens developed in the School of Pharmacy, Brighton Technical College. Beside the screen stands an electric steriliser for syringes.

internal corners are rounded to avoid harbouring dust. All metal parts are plated, and the wooden surfaces are finished in glossy white enamel. The screen was built entirely within the college.

Medical Advances Reviewed.—When folic acid is produced on a large scale, which should not be long now, writes Lord Moran (president, Royal College of Physicians), it may well supersede liver extracts in the treatment of anaemias in which it is found useful. ("Practitioner," October, pp. 230-40.) A daily dose of 20 mgm. orally, is sufficient, and the response is comparable in every way with that obtained by treating pernicious anaemia with a potent liver extract. Other types of anaemia which had responded to treatment were the macrocytic anaemias of infancy, and of sprue, and that due to malnutrition; in addition, the drug had been reported to be of value in cases of chronic diarrhoea of varied etiology. Folic acid was synthesised recently by Angier. Of the use of nuclear physics in medicine Lord Moran mentioned that "a cup of radio-active phosphorus taken once a week may replace the application of x-rays to the spleen."

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

LOSSES incurred through Government sales of raw rubber were the subject of Parliamentary questions on October 28. MR. W. SHEPHERD asked the President of the Board of Trade what gain or loss to the taxpayer would arise as the result of the recent agreement entered into with the United States of America for the sale of raw rubber. MR. L. D. GAMMANS asked the President of the Board of Trade the total estimated loss that would arise as a result of the purchase of Malayan rubber by His Majesty's Government and its sale at a lower price.

SIR STAFFORD CRIPPS: Though there will undoubtedly be some loss, I am unable to give any accurate estimate at present. Under the arrangements recently made, the United States undertook to purchase 200,000 tons of rubber from Malaya and from stocks in the United Kingdom. They will, however, only draw on stocks in the United Kingdom to the extent that the full amount of rubber cannot be shipped from Malaya before the end of the year.

MR. SHEPHERD: In view of that reply, is the Minister still convinced of the wisdom of State trading?—"Certainly." The reason, went on Sir Stafford, why loss should fall on the British taxpayer was that there had been an unexpected production in Malaya.

Exports of Glycerin

MR. BOSSOM asked the President of the Board of Trade the amounts of commercial glycerin exported in the first three months of the year and in the first three months of 1938; and to what extent linseed oil entered into the composition of the glycerin?

SIR STAFFORD CRIPPS: Exports of glycerin (both crude and distilled) in the first three months of 1946 amounted to 3,300 tons, against 1,850 tons during the same period of 1938. I am advised that the quantity of linseed oil used in the manufacture of glycerin is negligible.

Exhibition Not to Go on Tour

Asked whether he would take steps to bring the "Britain Can Make It" exhibition to selected provincial centres, SIR STAFFORD CRIPPS replied: The Council of Industrial Design, which is responsible for the "Britain Can Make It" exhibition, has given careful consideration to the possibility

of moving it to one or more provincial centres, but has reluctantly advised me against such a course. With this advice I agree. The cost of removal would be high. Considerable replacements of timber and fabric, both scarce materials, would be required; and by the time the exhibition could be reopened elsewhere, the British Industries Fair would already be claiming the attention of manufacturers, buyers and the public. With the co-operation of the Victoria and Albert Museum, the exhibition is to remain open on its present site until the end of the year. No further extension of time will be possible.

Penicillin Production

WING-COMMANDER ROBINSON asked the Minister of Supply the present British production of penicillin, and how much of this was exported.

MR. JOHN WILMOT: The present rate of production is about 360,000 mega units monthly. In September, export licence were issued for about 149,000 mega units.

War Damage Under Business Scheme

MR. THURTE asked Sir Stafford Cripps if, in view of his inability to name a date for payment of war damage under the business scheme because of the general supply position, he would consider cases where owners of destroyed business premises and plant were unable, owing to age and changed circumstances, to restart their operations and where, owing to lack of other resources, they needed the war-damage payment as capital on which to live; and bearing in mind that such persons, having waited so long for payment, were naturally reluctant to make any hardship appeal that might result in sacrifice of their right to interest payment.

SIR STAFFORD CRIPPS: Section 85 of the War Damage Act, 1943, enabled the Board of Trade to make payments under the business scheme where the payment is necessary to avoid undue hardship, and my Department already considers and deals with applications made on the grounds mentioned by Mr. Thurtle. As the date of final payment of claims under the business scheme cannot yet be announced, interest will, in future, be allowed in the exceptional cases where a payment is made under that scheme on grounds of undue hardship.

Medical Supplies Under Review

MR. SKEFFINGTON asked the Minister of Health what steps his Department had taken with the medical supply industries to see that they would be able to meet the increased demands for supplies which would arise when the new national health proposals became law and came into full operation.

MR. ANEURIN BEVAN replied that he was considering the matter in consultation with the Minister of Supply but no final arrangements could yet be made. "Interdepartmental machinery is, however, already in existence for the examination of supply problems of special urgency."

Pay-as-you-Earn

P.A.Y.E. was the subject of a question by COLONEL SHARP to the Chancellor of the Exchequer on October 29, when he asked what action Mr. Dalton had taken, or proposed to take, to implement the recommendations of the Select Committee on Estimates for improving the administration of the Pay-as-you-Earn system of taxation.

MR. DALTON replied: The Committee records various relaxations of work which had been sanctioned up to the date of their report, and I have since taken further action to reduce the pressure of work. I have authorised the Board of Inland Revenue to ban the for each of the years 1944-45 and 1945-46 the "check-up," or work of formal assessment at the end of the year, for all P.A.Y.E. taxpayers (other than certain exceptional classes) who paid less than £175 tax for the year. This work of assessment has, therefore, been saved in no less than 3½ million cases each year. I have also authorised the Inland Revenue, in cases where arrears of tax, due at the end of the year 1945-46, would normally be added to the tax for subsequent years, to set such arrears off against the Post-war Credit for the year 1945-46, the final year for post-war credits. This will both save departmental work and be of convenience to the taxpayer. Speaking on possible improvement of P.A.Y.E., he said he preferred the system whereby tax was collected as earnings were made, and in due proportion to the amount of the earnings, to any system which was based only on hypothetical earnings. The mechanics of P.A.Y.E. were constantly under review, and the Single Table System, which was to come into force for 1947, was the latest of a number of improvements.

Physiotherapists in Health Service

MR. SKINNARD asked the Minister of Health whether members of the Physiotherapists Association of Great Britain, designated as licentiates in physiotherapy and medical electricity, would be given the same rights and privileges of practice as were at present enjoyed by members of other bodies; and if he would grant the association representation on the appropriate committees when they were concerned with the profession.

MR. BEVAN: I am considering the position of the physiotherapist in the future health service and will take account of these suggestions.

Streptomycin

MRS. MANN asked the Minister of Health whether his attention had been drawn to the claims made for streptomycin as a cure for tuberculosis; whether medical science supported the claim; and whether streptomycin was available to patients in our institutions. MR. BEVAN replied: I am aware that medical research is being taken in the United States regarding the value of streptomycin in the treatment of tuberculosis. It would not be justifiable to adopt it for general use in this country until adequate clinical trials have been carried out to test such claims as are made for it, and arrangements to this end are being made.

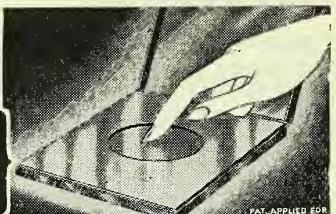
On October 30 DR. BARNET STROSS asked how many plants were producing streptomycin and what was today's estimated production in Britain. MR. BEVAN replied: I understand from the Minister of Supply that at the moment two plants are producing streptomycin on a small scale in this country, but none is yet available for clinical trials. I should take this opportunity to explain that until those trials have been completed it will not be possible to assess the usefulness of the drug.

"Chaotic" Weights Legislation

MR. IRVING asked the President of the Board of Trade if, in view of the chaotic state of weights and measures legislation, he proposed to appoint a departmental committee at an early date to go into the whole matter and make recommendations regarding amending it.

SIR STAFFORD CRIPPS: I recognise the need for an inquiry into weights and measures legislation, but in view of the complexities of the subject and the pressure of other and more urgent work, I cannot say when it will be practicable to put such an inquiry in hand.

TAP!
and the
powder
is there..



The New
'NON SPILL'
POWDER
COMPACT

NO SIFTERS • POWDER CANNOT ESCAPE ALL METAL

Enquiries to Sole Distributors

MADELOX LTD. • 168 Corporation St. • Manchester

PAT. APPLIED FOR

BURROUGH'S

60 gallons or less
in 6 months requires
no Control Licence.

S.V.R.

James Burrough Ltd., 1 Oslo Distillery, London, S.E.11

60 gallons or less
in 6 months requires
no Control Licence.

TRAGACANTH

SPECIALISTS IN B.P. POWDER
SAMPLES AND PRICES ON REQUEST

FREUDENTHEIL SMITH & CO., 16 Philpot Lane,
London, E.C.3.

MANSION HOUSE 1924 & 6600.

ESTD. 1826

GUMS TRAGACANTH AND ACACIA

As Imported or Finely Powdered
ALL GRADES

FREDK. FINK & CO., 1 Fenchurch Street, London, E.C.3.

Telephone : Mansion House 8119

JACKSON'S

FEBRIFUGE

FOR QUICK SALES

Geo. Jackson & Sons, Ltd., Harpurhey, Manchester 9

IDEAL

8° &

TRADE MARK

ANTISEPTIC

1/3 Inc Tax

DENGERM LTD.,
LONDON, S.E.1

NON-POISONOUS

RANKIN BROTHERS & SONS

(RANKIN PARTNERS, LTD.)

139 BERMONDSEY STREET, LONDON, S.E.1

for DISPENSING CORKS

OWNERS OF THE FINEST
CORK FORESTS IN PORTUGAL

FENNINGS' PATA

OVER 80 YEARS
REPUTATION

Children's Powders

ADVERTISED EVERYWHERE. READY SALES
ALFRED FENNINGS, COWES, I.W.

COFFRET BOXES

for the Xmas Trade.
Essences, Dyes, Bottles, Talc,
Bath Salt Boxes, Powder Puffs,
Compacts, Nail Brush Sets,
Sponges.

Illustrated Price List Available.
LOVELUCK EDWARDS & CO.
432/438 GARRAT LANE, S.W.18

Three profitable lines . . .

licoricine

ACTS LIKE MAGIC

FOR COUGHS AND COLDS

FENOLIN FLUID PATA

and

ELDON VAPORISERS

FOR WHOOPING COUGH

HALL FORSTER & C° LTD.

NEWCASTLE - ON - TYNE

FOR EXPORT, Hospital crockery, bedpans (round and slipper), urinals, sick feeders, lotion bowls, chairpans, kidney trays, medicine measures, commode pans and most types of surgical crockery. WAGSTAFF & BRUNT, Longton, Stoke-on-Trent, Staffordshire, England.

INFORMATION WANTED

Information with respect to suppliers of the following items would be appreciated:

Mayo's crepe bandage.
MacMichael's hair dye.
Picien wax.
W.E.3 wax.

Medoestrol tablets.
Liquid Bonan.
Regena.

**THE
CHEMIST AND DRUGGIST**
ESTABLISHED 1859

RETAILER—WHOLESALE—MANUFACTURER

culates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, the British Empire, and foreign countries.

cial organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

L. CXLVI NOVEMBER 9 1946 NO. 3483

The Label and the Law

announcing, in the Chancery Division the High Court on October 25 (see p. 587) findings in the "friendly" action brought by Potter & Clarke, Ltd., against the Pharmaceutical Society of Great Britain, Mr. Justice Wynn-Parry has settled a number of points which have given rise to doubt controversy ever since the Pharmacy and Medicines Act, 1941, took effect. In addition, he has settled one or two questions of more recent concern.

The points at issue were of two main kinds. The judge was asked to decide, in the first place, whether the form of wording on a number of labels which were submitted as exhibits constituted the contents substances recommended as a medicine "within the meaning of the Act, and in the second place whether the labels of certain other substances, which were in varying terms, "were in any, and if so what, case sold under a proprietary designation."

Under the Act, it will be recalled, substances recommended as a medicine may be sold by retail only by doctors, dentists, authorised sellers of poisons on premises registered under Part I of the Pharmacy and Poisons Act, 1933, and persons who have served an apprenticeship to a pharmacist or a body corporate authorised to sell poisons, provided such persons were in business on their own account on August 7, 1941. On the other hand, a person charged with contravening this provision is entitled to plead in his defence that the substance was sold under a proprietary designation

(subject to certain provisos affecting substances in the British Pharmacopœia or British Pharmaceutical Codex). Obviously, then, the issues before the judge were of far-reaching importance both to pharmacists and, equally but oppositely, to unqualified traders. Indeed the Pharmaceutical Society and local authorities charged with duties of securing observance of the Act have been under a severe handicap in being without precise interpretations of the points raised.

In the table overleaf we have endeavoured to summarise, without undue sacrifice of accuracy in so doing, the forms of label that were before the Court, the principal point involved in the form of wording on each, and the judge's finding. It hardly needs to be pointed out, perhaps, that the decisions should very guardedly be extended to other labels of an apparently similar character, since the latter may in practice involve the consideration of other issues that have not this time been argued.

Some extension of the table is necessary to explain how the judge arrived at his decisions. In considering senna pods, for example, he took the view that the Act was not against the sale of medicines *simpliciter*, but against the sale of substances recommended as medicines. It was acknowledged that the senna pods were used medicinally and universally recognised to be a medicine, but he concluded the words "SENNA PODS" were "a bare, but accurate identification of the contents."

The bottle of liquid extract of cascara was on a different footing because the label contained "words which are clearly calculated to lead a purchaser to purchase the bottle for the sole purpose of preventing or treating an ailment." The words he had in mind were (a) the reference to the Pharmacopœia, and (b) the dosage.

The decision is in general confirmation of the view expressed in "The Chemist and Druggist Year Book, 1946," namely

"It is difficult to take any other view than that the dosage informs the purchaser that the substance is a medicine, and is consequently calculated to lead to its use as such."

On the other hand, it falls short of complete substantiation of this view since dosage was not the sole determining factor.

Item	Wording on label	Principal question(s) at issue	Finding
Senna pods	<u>SENNAS PODS</u> Vendor's name and address	Are senna pods, as labelled, substances recommended as a medicine within the meaning of that phrase as used in the Act?	Is NOT "recommended as a medicine"
Fluid extract of cascara	(Vendor's trade mark) FLUID EXTRACT OF CASCARA , British Pharmacopœia DOSE : Half to one teaspoonful in half a wineglassful of water	Do the terms of the label make it clear that the contents of the bottle are offered for sale as a medicine?	Is "recommended as a medicine"
Lemon and squill linctus	<u>LEMON AND SQUILL LINCTUS</u> Vendor's name and address	Is the word "linctus" to be regarded as equivalent to "cough medicine"?	Is "recommended as a medicine"
Compound rhubarb pills	Round photograph of head of unidentified man, the words COMPOUND RHUBARB PILLS Maker's name and address DOSE : One or two at bedtime	When pills composed as stated in the evidence are sold in a box labelled as indicated, is each pill a substance recommended as a medicine? Does "pills" of itself indicate that substance is so recommended?	ARE "recommended as a medicine"
Effervescent powders	Extra strong effervescent powders Prepared by (maker's name and address) "A war-time substitute for Seidlitz powders" (On reverse) maker's name and address	Are powders, composed as stated in the evidence and labelled as indicated, a substance recommended as a medicine?	ARE "recommended as a medicine"
"All Fours" chest and lung mixture Exhibit a	ALL FOURS CHEST AND LUNG MIXTURE Price. Doseage. Statement of formula Manufacturer's name	Does the set of words contain, as part of the designation, words indicating that they are the goods of a particular manufacturer by virtue of manufacture, selection, certification, dealing with or offering for sale?	Is NOT "sold under a proprietary designation"
Exhibit b	As above, but without statement of formula		Is NOT "sold under a proprietary designation"
Exhibit c	PRITCHARD'S EXTRA STRONG ALL FOURS CHEST AND LUNG MIXTURE	How many words are to be regarded as part of a designation?	Is "sold under a proprietary designation"

The findings on "linctus" and "pills" are straightforward, and would appear, subject always to further "test" actions, to end to other preparations with names bearing similar medicinal implications.

In their bearing upon future selling practices, the decisions upon proprietary designations are of especial significance. "For a word or words to amount to a designation, they must be continuous, or, at any rate, intended by necessary implication to be read together." The definition rules out a considerable number of preparations that have continued to be sold freely by traders other than the sellers (of whom pharmacists form the principal proportion) specified in the Act, and will have the potential alternative results of excluding these goods from the premises of the unqualified, or of greatly reducing the number of proprietary designations as now defined. In the latter event, the future may see a multiplication of "anges" of popular remedies, each suited to two preparations to comply with section 12 (5) (c) (ii). For pharmacists, it may lay fresh emphasis on the C.F. scheme.

Vial or Pack?

CORRESPONDENT (Mr. Kenneth E. White, *C. & D.* October 26, p. 547) recently took the Ministry of Supply to task for, as he alleged, "not being fully aware of restrictions they themselves had imposed." Mr. White has since received a reply from the Ministry, who have shown us a copy of their letter. Our view is that, as another correspondent this week (p. 608) suggests, though writing from general principles and without inside knowledge, that perhaps the original letter was written rather too hastily. The Ministry's reply points out an accepted distinction between penicillin "packs" and "vials." "Vial" is interpreted as meaning the standard pack for the mega unit, while "pack" is reserved for containers holding larger amounts. Mr. White's first communication, states the Ministry, asked for permission to purchase 10 mega unit vials of calcium penicillin. His request was taken by the Ministry, wrongly as it turned out, but justifiably on the wording of the request, to mean ten mega-unit vials, to obtain which no Ministerial authorisation was necessary. On discovering that the application was

indeed for supplies in 10-mega unit containers ("packs") the Deputy Assistant Controller, Penicillin Control, hastened to get in touch with Mr. White again, and to point out that "the great desire of this Department is to make penicillin readily available to those, like yourself, who are qualified to make proper use of it." Thus all is well that ends well, and any stigma attaching to the Ministry is, we hope, removed.

Back to Mincing Lane

The news that the United States Department of Agriculture will no longer function as a buying agency for foreign Governments appears to have caused some concern in Whitehall. From now on, the Government representatives of buying countries will have to purchase their raw materials as best they can in the American open market. This introduces a change of control and direction of considerable importance. During the war, the Ministries of Food and Supply, in their transactions of commercial business with foreign Governments, in the nature of bulk purchases, have had a good record. Both Ministries had wisely introduced into their ranks a number of men with exceptional and specialised trading experience. This commercial "leaven" was added to a skill of a different kind, which is the prerogative of the civil servant—an understanding of the workings of Government departments.

It is, perhaps, inevitable that for some time to come a form of State trading in some articles will have to continue in the interests of international economic stability, but as we have already indicated, so far as the U.S. market is concerned Britain must now fend for herself. The Government should realise that the technique of bulk buying on a controlled market is very different from purchasing supplies on a competitive market. While the civil servant may possess the qualities necessary for the former, it is hardly likely that he will have either the experience or "market touch" so essential for the latter. The Government's decision to permit the reopening of the Mincing Lane rubber market, closed in 1941, and the reversion of mercury to private trade (p. 609), are significant and welcome milestones on the road to a return to normal marketing.

C. & D. DISPENSING PRICE LIST

THE following changes of price which took place during October should be noted:—

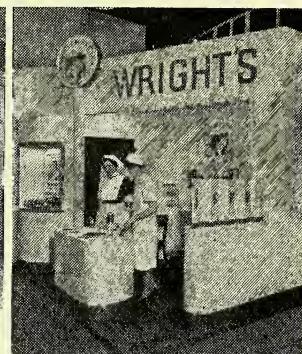
Cost d. | per	Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price			Cost d. | per	Due allowance has been made for purchase tax in both cost and dispensing prices	Dispensing price		
		4 oz.	1 oz.	1 dr.			4 oz.	1 oz.	1 dr.
54 oz.	Amidopyrina R only ..	—	7 10	1 2	34 oz.	Rhei rhiz. pulv. No. 3 ..	—	5 0	0
63 oz.	Benzocaina P.I. (8) ..	—	—	1 5	21 lb.	Sapo calinus, B.P.C. lb. 2s 7d.	0 90	2 1	—
42 oz.	Butylchloralis hydras P.I. (8)	—	6 1	0 10	31 lb.	Syr. sennæ ..	1 50	6 0	0
63 oz.	Carbromalum ..	—	—	1 5	42 oz.	Theobromina et sod. acet. ..	—	6 1	0 1
44 lb.	Cassie corticis pulvis ..	1 70	6 0	1	48 oz.	Thyroideum P.I. (9 and 13) ..	—	7 0	1
63 lb.	Cera flava exot.	2 40	8 0	0 1½	129 lb.	Tr. benzoini comp. ..	4 81	3 0	0
68 lb.	Cetaceum ..	2 50	8 0	0 1½	119 lb.	Tr. lavandulæ co.	4 31	2 0	0
52 oz.	Chrysarobinum ..	—	—	1 2	122 lb.	Tr. zingiberis fort.	4 41	2 0	0
17 oz.	Collod. bellad. meth. S.I. (5)	—	2 7	0 5	44 lb.	Ung. adipis lanæ co. ..	1 80	6	—
80 lb.	Coccygnthidis pulpa pulv. ..	2 100	9 0	2	147 lb.	Ung. benzocain. co. P.I. (9) ..	5 31	5 0	0
65 lb.	Elixir. diamorph. et terpin. B.P.C., D.D..	2 100	10 0	0 2	101 lb.	Ung. hyd. sub- chlor. B.P. '14	3 81	0 0	0
18 oz.	Elixir viburn. et hydrast., B.P.C.	—	3 1	0 6	70 lb.	Ung. methyl. salicyl. co. dil.	2 60	8 0	0
105 lb.	Emuls. menth. pip. ..	3 91	2 0	2	30 lb.	Ung. paraffini alb. ..	1 10	3 2	—
23 oz.	Ext. cinchonæ ..	—	3 50	0 6	27 lb.	Ung. paraffini flav. ..	1 00	3 2	—
14 oz.	Ext. cinchonæ liquidum ..	—	2 0	0 3½	70 lb.	Ung. plumbi oleatis. S.I. (5)	2 60	8 0	0
63 oz.	Ext. rhei pulvis ..	—	9 31	5	27 lb.	Ung. simplex alb.	1 10	3 2	—
36 oz.	Ext. rhei liquidum ..	—	5 40	0 9	23 lb.	Ung. simplex flav.	1 00	3 2	—
7 oz.	Ferrum redactum ..	—	1 1	0 2	70 lb.	Zinci sulphocarb. pulv. ..	2 60	9 0	0
38 lb.	Glyc. acidi borici	1 100	7 0	1					
35 lb.	Glyc. aluminis ..	1 80	6 0	1					
49 lb.	Glyc. amyli (wt.)	1 90	6 0	1					
126 lb.	Glyc. papaini B.P.C. ..	5 61	6 0	3					
87 lb.	Glyc. pepsini, B.P.C. ..	3 71	0 0	2					
147 lb.	Inf. rhei conc.	5 61	6 0	3					
101 lb.	Lin. opii meth. S.I. (5) ..	3 81	0 0	2					
56 lb.	Liq. bismuthi conc. B.P.C. ..	2 40	8 0	2					
133 lb.	Liq. bromidi co. B.P.C. S.I. (5)	6 41	10 0	0 3					
27 oz.	Liq. epispasticus S.I. (5) ..	—	4 0	0 7					
126 lb.	Lobelia pulvis P.I. (8)	4 71	3 0	2					
56 oz.	Pepsinum ..	—	8 2	1 4					
29 lb.	Potassa sulphurata ..	1 10	4	—					

INSURANCE ACT DISPENSING

Merthyr Tydfil.—At the annual meeting of the Pharmaceutical Committee, he recently, the following officers were elected *Chairman*, Mr. I. Isaacs; *Vice-chairman*, Mr. T. Garfield Jones; *Treasurer*, M. E. M. Cohen; *Secretary*, Mr. E. J. Powe Post Office Buildings, Merthyr Tydfil.

Lancashire Prescription Bureau.—The quarterly report of the Lancashire prescription bureau, embracing nine boroughs and Westmorland county, shows that during the quarter ending June 30 there were 594,63 prescriptions, against 573,662 in 1945, averaging 610,178 in 1944. The respective total costs were: £35,061, £32,178 and £30,69 averaging 14.15d., 13.46d. and 12.07d.

London Nursing Exhibition

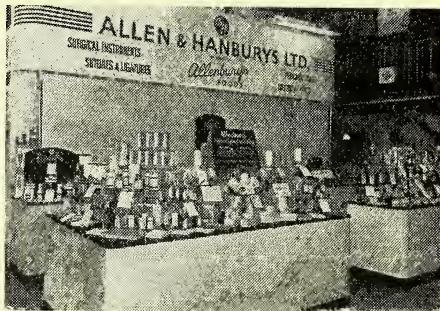


Stands of Burroughs Wellcome & Co., The British Drug Houses, Ltd., and Wright, Layman & Umney, Ltd.

THE thirty-first London Nursing Exhibition and Conference—the first of its kind to be held in London since the war—opened at the Seymour Hall, London, W.1, on October 21 for five days, under the auspices of the "Nursing Mirror." In addition to the exhibits in the main hall, a programme of lectures and film shows on medical and nursing topics was arranged for each day.

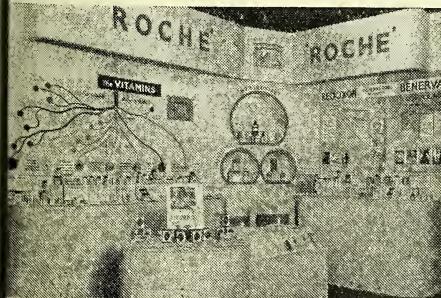
Exhibitors:

Allen & Hanburys, Ltd.; Ambrosia, Ltd.; Badin, Ltd.; Angiers, Ltd.; Aspro, Ltd.; Isodol, Ltd.; Boots Pure Drug Co., Ltd.; Ovral, Ltd.; Boyd Cooper, Ltd.; The British Drug Houses, Ltd.; Burroughs Wellcome & Co.; Cadbury Bros., Ltd.; Continental Laboratories, Ltd.; Cow & Gate, Ltd.; Crookes Laboratories, Ltd.; Denver Chemical Manufacturing Co.; Evans Medical Supplies, Ltd.; Farley's Infant Food, Ltd.; Genatosan, Ltd.; Glaxo Laboratories, Ltd.; Herts Pharmaceuticals, Ltd.; International Chemical Co., Ltd.; Jen Fems Sales, Ltd.; Jeyes Laboratories, Ltd.; Keen,



Stand of Allen & Hanburys, Ltd.

Robinson & Co., Ltd.; Lactagol, Ltd.; Macleans, Ltd.; Milton Antiseptic, Ltd.; Nestle's Milk Products, Ltd.; Oxo, Ltd.; Reckitt & Colman, Ltd.; W. J. Rendell, Ltd.; Roche Products, Ltd.; A. & R. Scott, Ltd.; Tampax, Ltd.; Virol, Ltd.; Vitamins, Ltd.; Wm. R. Warner & Co., Ltd.; Wright, Layman & Umney, Ltd.; John Wyeth & Brother, Ltd.



Stands of Roche Products, Ltd., and Genatosan, Ltd.

F.B.I. ON TRADE RELATIONSHIP WITH GOVERNMENT

A REPORT of the Trade Organisation Committee of the Federation of British Industries has been unanimously adopted by the Federation's Grand Council and forwarded to the President of the Board of Trade and other ministers.

The following points are taken from the Report:—

There appear to be three main methods of co-operation between Government and industry which, in different circumstances, would prove valuable. They are: (a) Direct contact with industry; (b) an advisory council; (c) a statutory industry board.

Direct Contact with Industry

In many industries close contact has been developed between a sponsoring Government department and the trade association and trade union. It would be totally inappropriate for a trade association to participate in the general conduct of the business of a trade union or vice versa. There is, however, a field within which they have a common interest—apart from labour questions—and an exchange of views within that field can under favourable conditions be mutually helpful. In referring to favourable conditions, we have in mind that the trade unions, as well as the trade association, must be suitably organised if such contacts are to be fruitful. We strongly recommend that these contacts should be developed, where practicable, and that trade associations should consider the advisability of themselves initiating periodical meetings with the appropriate trade union at which general questions affecting the industry as a whole could be ventilated. We believe that useful results, both practical and psychological, might result from this, and that there is no need for such contacts to depend on Government initiative and to involve the establishment of continuing official machinery.

Advisory Councils

We believe that direct contact between trade association and Government departments is in many ways the most effective and flexible method of contact where confidence exists on both sides. But we recognise that cases may occur when the Minister may feel that this does not provide him with precisely suitable channels of consultation. We recognise that the Minister may feel that he requires to supplement the day-to-

day contacts between his department and the trade associations by some more formal machinery. We recommend that where this machinery is established, it should take the form of an advisory or consultative council. It is important that the area of industry to be covered by a Council should be so confined that there is a real community interest within the various branches represented on it. The terms of reference of the advisory or consultative councils should be settled by the Minister, but should make it clear that the object of the councils is to consider only broad questions affecting the industry as a whole.

Statutory Industry Boards

A statutory board should never be forced upon an unwilling industry. Each case should be considered on its own merits, and the executive or semi-executive powers conferred should be carefully restricted to what is necessary to solve the particular industry's problems. We are of opinion that industrial members should be appointed by the Minister by the same procedure as have already suggested in the case of the Advisory Council.

Legislation and Administrative Action

In the exceptional cases where a supervisory board is established we recognise that statutory authority would be required. We are opposed to legislation in the form of a General Enabling Bill. Each board should be the subject of a separate Bill. Our other proposals, we consider, could be adopted by administrative procedure. We see great advantages in thus retaining the greatest flexibility in their application. With this flexibility we believe that they can be material help in ensuring a fruitful partnership between Government and industry which, like other partnerships, should be based upon mutual confidence and forbearance rather than upon domination and rigour.

Bleach Cream for Dark Skins.—A newly developed bleach cream which "has a definite measurable effect in making dark or tan skins lighter" has been produced by the National Toilet Co. of America. A group of negro subjects who used the cream daily for about six weeks, "showed lightening effect of 8½ shades." The cream is understood to contain ammoniated mercury.

INDUSTRIAL PHOTOGRAPHY

Outline of a technique developed by Gillette Industries, Ltd.

uses to which industrial photography, technique still in the formative stage, are include high speed cinematography for checking faults on machines; normal speed cinematography for demonstrating motions operators; photomicrography of blades, etc., and x-ray photography of metals.

High-speed Photography Defined

High-speed photography may be defined "any cinematography in which the screened result is slower than the speed of normal movement," and includes the "moderately fast movement" which can

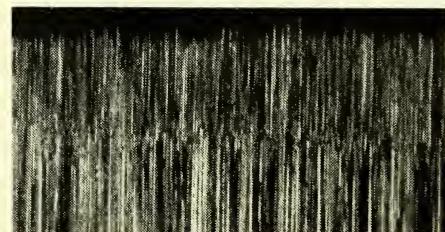


Production of a photograph designed to show how Gillette operative shakes out a roll of razor blade blanks for inspection. Cine-film was found to be superior to still film for this work.

studied by the normal cine-camera running at maximum speed, and faster movement for which special apparatus is required. For studying motion a speed on screen equivalent to the ordinary newsreel slow-motion of, for instance, a diver at swimming bath, is often the best. If a dual operation, or the operation of a two-running machine is to be studied, an ordinary cine-camera running at about 60 frames per second is suitable. A Kodak Special 16-mm. camera, with variable-speed, spring or electric drive, giving a speed of from eight to sixty-four frames per second has been used. This is equipped with interchangeable lenses which can be used to short distances. Sometimes, however, the presence of flying oil and dust makes it desirable to film from a distance and in these circumstances a 6-in. telephoto lens can be fitted. When the top speed of this camera is not sufficient the

firm employs the Eastman Type III high speed camera. This camera makes 16-mm. film records at from 500 to 3,000 frames per second, the film travelling continuously past the lens, and the image being carried down the film plane at the same rate as that at which the film moves. This process is accomplished by a lens prism partially enclosed in a shutter, revolving behind the lens. When the maximum speed is being used, there is a danger of the film rupturing if the acceleration is too rapid, but a rate of 2,400 frames per second is obtainable in one second from rest, which means that only thirty feet of film are used up in the acceleration. The work to which this apparatus is suited is, for example, the study of the machines wrapping 120 blades per minute. While this may not seem fast, it must be realised that some of the components in the machine are moving very fast indeed. If a certain part of a machine is suspected, painting it white will show it up well and make it easier to follow. Normally the technical staff have no difficulty in noting the fault after the film is screened. The exception to this is where a small component such as a warp can tends to merge into a shadowed background. On black and white film this may not show but the use of a colour-film usually makes every part stand out well by differences in colour as well as tone. Time spent in getting the special lighting and the camera in the correct position is well worth while.

Photomicrography at various magnifications is also undertaken in the works, and



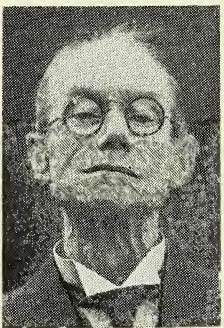
A photomicrograph ($\times 100$) of a razor-blade edge.

mostly concerns cutting edges, but for special studies photomicrographs of growing beards have been taken. All of this work, which enabled many investigations of vital importance to output to be made, was carried out by the factory photographer with occasional help from Kodak, Ltd., at small expense.

FIFTY-FIVE YEARS IN PHARMACY

Mr. Alfred Marsland, M.P.S., who has recently retired at the age of sixty-nine after being in business in Ashton-under-Lyne for forty years describes some of his experience.

I WAS apprenticed with the late Mr. John Hall, Ashton-under-Lyne, from 1892 to 1895 and later went for two years as an assistant to Mr. Joseph W. Gill, Broad Street, Pendleton. In 1898 Mr. J. C. Crompton of Ashton - under - Lyne opened a suburban branch of which I took charge, under his supervision, until I qualified in May 1901. Mr. Crompton was dispenser also at the Ashton-under-Lyne and District Infirmary and occasionally I took duty for him. I have retained a vivid im-



Mr. Alfred Marsland

pression of those days, and remember distinctly a certain Friday morning when ninety-three out-patients presented their cards at the dispensary between 9.15 a.m. and 12.15 p.m.—a strenuous morning which I have never forgotten.

Long Hours

Leaving Mr. J. C. Crompton some time after qualifying, I was for a short period with Mr. H. Lockwood of Harpurhey, Manchester, a keen business man and owner of five shops. His method of keeping business details I found helpful when I purchased, in 1906, Mr. Crompton's business which I had formerly managed. Though hours were long and the type of business done different in many respects from that done today, I never regretted starting on my own. Laudanum, cocaine, and strychnine in mouse powders, could all be sold in those days without let or hindrance provided they were properly labelled. I had a customer who bought $\frac{1}{2}$ oz. of cocaine hydrochlor., and in one of the shops in which I worked a woman used to come every Friday for 6 oz. of laudanum, to last her a week. Once she drank half an ounce, diluted with an ounce of water, in the shop: she said she had once or twice taken more than that but wished "to be on the safe side." My day in 1906 was from 9 a.m. to 9 p.m., and 11 p.m. on Saturday, with early closing on Tuesday at 1 p.m. Through the years the hours were

reduced until now 7 p.m. seems to be average everywhere.

The friendly spirit among chemists is more in evidence now than it was in early days. Several times, when business seemed to be quieter than we expected, was sent to watch other chemists' shops a few minutes, to see if anybody was served. I should be surprised to hear of a thing now.

Business Developments

The two events which have been most impressive on my mind from the business point of view have been the formation of the Proprietary Articles Traders' Association and the passing of the National Health Insurance Acts with their various additions and emendations. I well remember Mr. Glyn-Jones coming to Ashton-under-Lyne to interview the chemists of the district.

The modern young chemist has no conception of the price cutting which abounded in those days. I have frequently been seen with ready cash to a Salford chemist for one dozen of a widely advertised pill, paid 23s. 6d. over the counter, and sold them over our own counter at 1s. 11d. each. How's that for profit? Most wholesalers charged 3d. or 6d. more per dozen and if we had bought them through usual channels we should have "lost" the retail sales. No wonder the eloquent Mr. (later Sir) Glyn-Jones roused the enthusiastic support of the chemists. I think practically all chemists present at that meeting became members at once. Whether establishing of the P.A.T.A. has had effect in certain directions which I expected and, I think, intended is a question I will not discuss.

I can still remember the first N.H.I. prescription with which I was presented on Lancashire Insurance Committee form R Syr. Ferri. Phos. Co. 3s.

Aq. ad. 3vii with appropriate instructions.

Not an ambitious beginning, but a beginning, which has developed into the vitamins, injections, capsules etc., of prescriptions of the present day. The financial apparatus of the Act creaked badly at commencement. Chemists had to do their own pricing, and to itemise the amounts of the ingredients in cash. No item was less than $\frac{1}{2}$ d. e.g., sod. bicarb. 3ii= $\frac{1}{2}$ d. and

There were forty prescriptions containing a bicarb. 3*ii* during the dispensing period, first item on the account would read at $\frac{1}{2}d.=1s.$ 8d. A scale of prices for all classes of ingredients was provided by the Insurance Committee.

The biggest bugbear of N.H.I. work was waiting for payment after sending in the account. Two shillings *per capita* for each insured person was set aside for the chemists' fund, but only 1s. 6d. was immediately available, the other 6d. being called

"floating sixpence." If 1s. 6d. per head provided a fund sufficient to pay the chemists' accounts, the "floating sixpence" went to swell the doctor's annual fee, but it took, say, 1s. 9d. to pay the chemists, the extra 3d. came out of the "floating sixpence," and 3d. went to the doctor. If the chemists' bills came to more than 2s. would

cover, however, the 2s. was made to go as far as it would among the chemists; the doctor got nothing out of the floating sixpence, and the chemist had to wait until the Minister responsible had sanctioned the forwarding of more money to the Insurance Committees. I remember waiting till 1916 before being finally paid for a large number of bottles of cod liver oil emulsion dispensed in 1914. In course of time and after trial and error, the present satisfactory system was evolved.

I believe the changes that have come about during forty years' experience in my own business have been for the benefit of the public and the individual chemist, and that any man who aligns himself with his profession will gain ample recompense both financially and in the respect in which he is held by his surrounding public.

COMING

Monday, November 11

W
VERPOOL BRANCH, PHARMACEUTICAL SOCIETY, Derby Rooms, Adelphi Hotel, Liverpool, at 7.45 p.m. Mr. H. N. Linstead, M.P. (secretary, Pharmaceutical Society) on "The Next Ten Years."

B
IRKENHEAD PHARMACISTS' ASSOCIATION, Chamber of Commerce Rooms, Hamilton Square, Birkenhead, at 7.30 p.m. Mr. R. J. Raymond on "Model Railways."

Tuesday, November 12

OTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Lecture theatre, Medico-chirurgical Society, St. James's Street, Old Market Square, Nottingham, at 7 p.m. Dr. H. Smith Wallace, M.B., Ch.B., on "Skin Diseases."

CARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Large Lecture Hall, Public Library, Scarborough, at 7.30 p.m. Dr. W. Bradley, M.Sc. (research department, The British Drug Houses, Ltd.) on "Chemistry in the Service of Medicine."

O
LVERHAMPTON CHEMISTS' ASSOCIATION, and BRANCHES OF THE PHARMACEUTICAL SOCIETY AND NATIONAL PHARMACEUTICAL UNION, Povey's Cafe, Victoria Street, Wolverhampton, at 7.30 p.m. Lecture by Mr. W. J. Tristram.

B
IRMINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Birmingham, at 8 p.m. Mr. L. C. Colebrook, M.B., Ch.B., F.R.S., on "The Modern Treatment of Burns."

R
IGHTSH EXPORT EXHIBITION, London Exhibition Centre, New Coventry Street,

EVENTS

London, W.1, 2-6 p.m. (Open till November 23, week-days, 9.30 a.m.-6 p.m.; Saturdays, 9.30 a.m.-1 p.m.)

Thursday, November 14

I
NSTITUTE OF CHEMISTS - OPTICIANS, Friends Meeting House, Euston Road, London, N.W.1, at 7.30 p.m. Dr. Margaret Dobson on "Orthoptic Training."

P
HARMACEUTICAL SOCIETY, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. H. E. Archer, Ph.C., on "Development in Chemical Methods used in Diagnosis and Control of Treatment."

M
ANCHESTER PHARMACEUTICAL ASSOCIATION AND NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Lecture theatre, St. Mary's Hospital, Manchester, at 7.45 p.m. Mr. H. Gartside, B.Sc., Ph.C., on "Pharmacy in Germany and Spain."

Friday, November 15

G
UILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Professor Sir Alexander Fleming, on "Some Notes on Antibiotics."

Saturday, November 16

L
EICESTER BRANCH, PHARMACEUTICAL SOCIETY, Great Hall, Technical College, Leicester, at 7.30 p.m. Dance in aid of Benevolent Fund. Tickets 3s. from Miss Morris, 42 Belvoir Street, Leicester.

B
IRMINGHAM PHARMACEUTICAL ASSOCIATION. A dance will be held at the Botanical Gardens, Edgbaston, Birmingham, at 8 p.m., on November 27. Tickets 7s. 6d. each.

SPEECH DAY AT MANCHESTER

SPEECH Day at the pharmacy department of Manchester University was held on October 16, Mr. J. R. Walmsley (president, Manchester Pharmaceutical Association) in the chair.

PROFESSOR H. BRINDLE, in his report, said that the number of students taking the Ph.C. diploma and the B.Sc. (Pharm.) degree was twice the number taking the Chemist and Druggist course. This was gratifying, as only by laying a sound foundation during his academic training, and by keeping his knowledge up to date, would the pharmacist be able to meet the demands made upon him. The honours course instituted by the College of the Pharmaceutical Society was progress in the right direction. Manchester University offered graduates in pharmacy an honours degree in chemistry, physiology or botany, superimposed upon the pharmacy degree. They also had well established diplomas in bacteriology and chemical engineering suitable for students in the third year of the combined course—for the pharmacy or honours physiology degree.

Two Types of Pharmacist

MR. KNOX MAWER (president of the Pharmaceutical Society) said that, as president, he had to spend part of his time in examination rooms observing the work of candidates. He was quite satisfied that examiners were desirous of giving candidates every opportunity of passing. He was often startled by the mistakes made by candidates, especially in calculations, due to lack of concentration. In future, schools of pharmacy should not be recognised unless they were attached to a university. Medical, dental, veterinary and pharmaceutical students could advantageously work together. This would be invaluable in later years. He hoped arrangements would be made for military service to be postponed until after graduation. It was possible that two types of pharmacist would emerge, those trained for retail, and graduates to take positions in hospital laboratories or high positions in the health services.

MR. J. R. WALMSLEY spoke of apothecaries and chemists and druggists whose names were associated with scientific discoveries. Outstanding was Carl Wilhelm Scheele, a Swedish apothecary, whose name would always be linked with Scheele's acid. He had isolated a number of natural products, citric, malic and oxalic acids, and was responsible for the discovery of glycerin and hydrogen sulphide. Kipp's

apparatus was devised by a Dutch pharmacist whose business was still carried on by his descendants. Klapworth, a French pharmacist, the inventor of *ampoules hypodermiques*, devised the first oxygen breathing unit for a balloon ascent in 1875. Russian pharmacist discovered and named the element ruthenium in the course work on the platinum group. Berzelius, Swedish apothecary, made atomic determinations and gave us the symbols of the elements. Sertürner, a Parisian apothecary, isolated morphine and was the first to use the word alkaloid. Frankland was a druggist's apprentice in Lancaster, and in 1828 became the first professor of chemistry at Owen's College (now Manchester University). John Walker, a chemist and druggist, devised the first practical matches in 1827. J. W. Swan, a chemist and druggist of Newcastle-on-Tyne, made the first rapid dry plates and discovered many photographic processes.

Distribution of Prizes

MR. KNOX MAWER distributed prizes to the following students:

Woolley prize, Miss J. C. Barnes; *Houoseason, & Co., Ltd., prize*, George Platt; *Allen & Hanburys Ltd., prize*, Miss Keepees; *Association president's prize*, George Platt; *T. Kerfoot & Co., Ltd., prize*, Miss B. W. Clegg; *Manchester Pharmaceutical Association prize*, John Mongham; *Pharmaceutical Society (Code) prize*, George Shaw; *Branch chairman's prize*, P. J. Crabtree; *E. Griffiths Hugh Ltd., prize*, James Hopson (Salford Royal College of Technology).



"So, sonny, you want to be a chemist when you grow up?" "Yes, Daddy." "Analytical?" "No, cash!" —From the London "Evening News."

ULSTER CHEMISTS' ASSOCIATION

Annual Meeting of Associates' Section

The third annual meeting of the Associates' Section of the Ulster Chemists' Association was held in Belfast on October 24, M. D. Moore, Ph.C. (chairman) presiding.

The annual report stated that twenty pharmaceutical chemists, sixteen assistants

thirty-five apprentices had been listed, and the total number of associates September 30, 1946, was 284. Three pharmaceutical chemists, three assistants twelve apprentices had since been listed. The Associates' Group in London-
ry had met regularly, and a new Associates' Group had been formed in September as the result of a meeting in Portadown. Discussions were at present in progress concerning the establishment of scales of remuneration for hospital pharmacists.

The committee recorded its appreciation of the help given by the Executive Committee and its support of the present drive increased membership of the Associates' section. The section was now numerically strong enough to bear an annual apportionment of £75 of the office charges. It had yet been possible to arrange for a regular bulletin to Associates. MR. T. A. SON, PH.C. (president, Ulster Chemists' Association), expressed pleasure at the enthusiasm displayed by the associates.

a Scheme

MR. NIAL BRANNIGAN claimed that the scheme was unfair to the superintendent pharmaceutical chemist, and placed too much responsibility on the qualified superintendent of a limited company. Night pharmacies, he suggested, would be much more satisfactory. MR. JAMES McCLENAHAN, Ph.C. (secretary, Ulster Chemists' Association), replied that the executive committee had found, after careful consideration, that it would not be practicable to set night pharmacies at present. Employers and employees alike would gain by the establishment of a shorter working day, and amount of rota duty would not bear heavily upon any individual. MR. J. HUNT said that much time was wasted in unlocking the door for each person seeking admittance after normal hours. MR. McCLENAHAN pointed out that the Shops Act requirements must be met. Although it might be possible to have indulgence of the authorities in this matter, having the door open would probably cause greater loss of time in explain-

ing that toilet goods and similar articles could not be supplied. The intention of the late service was to provide urgently required medicines.

The following retiring members were re-elected to the *Associates' Committee*: Mr. M. D. Moore, Mr. E. B. Williamson (pharmaceutical chemists), Mr. E. G. Mackle (apprentice), and the following new candidates were elected: Miss J. Godfrey, Mr. A. McWhinney (pharmaceutical chemists), Mr. H. O. Cooke and Mr. T. McDaid (assistants).

In his address THE CHAIRMAN said seventy-one new Associates had been elected, but the net increase was only seventeen. The recent communication to eligible non-associates had produced good results. The question of hospital dispensers' salaries had been taken up with the Minister of Health and the local government authorities and was still under negotiation. Representations made to the Board of Guardians had succeeded in obtaining the desired increase for locum tenentes. The Shops Hours Bill had been reviewed by the Committee and a letter of protest about the hours sent to the Minister of Home Affairs. Several M.P.s had been asked to support the Association's contentions when the Bill was discussed in Parliament. The Tribunal Award and the Joint Council agreement gave better holidays than the Shops Act.

Evening Classes

Discussing the new Act, Mr. Moore said the indenturing of apprentices was a sound idea. The student who had completed part of his apprenticeship at the time of the passing of the Act must apparently comply with the new whole-time study arrangements. If the employer did not continue to pay wages, the student would receive unemployment benefit. The question now arose as to whether the Pharmaceutical Society would recognise such a period as part of the student's apprenticeship. The matter had been taken up with the competent authority. Recently an erroneous impression had been conveyed by the committee's efforts to secure evening classes. Their efforts had been not to eliminate day-classes but to make provision for third year students to have night classes in preparation for their fourth year day classes, and for students who had failed their examinations.

CORRESPONDENCE

Presentation to Bath ex-Principal

SIR,—I expect your correspondent "Johns of Bath" will be interested to learn that an invitation to subscribe to a fund to make a presentation to Mr. D. J. Williams has been sent to every old student of the Bath and West College of Pharmacy whose address could be confirmed from the Register. It is not yet too late to subscribe, and I shall be pleased to hear from any of those mentioned who have not already communicated with me. The question of a reunion party is being considered, but at the present time the difficulties are rather formidable.—Yours faithfully,

Bristol, I. WM. COOPER.

Head of the School of Pharmacy,
Merchant Venturer's Technical College.

Bureaucracy

SIR,—I am not conversant with the situation regarding calcium penicillin, but the conclusion arrived at by Mr. K. E. White (*C & D.*, October 26, p. 547), that the Ministry knows not what it controls, appears to me to be a trifle unjust. I would suggest that possibly the firm is at fault, or is this rank heresy? My own experience (I am an ex—"backroom boy") indicated that many firms insisted on carrying on with restrictions long after they had been officially notified of their withdrawal. In many cases the idea is to play for safety. They know the Ministry will get the kicks anyhow. Some firms—I repeat some—are like slaves who, when relieved of their bondage don't know what to do with their new-found freedom, and prefer slavery. I now await the brickbats; maybe the Ministry did slip up in this instance.

Brighton. A. CORDES.

Where the Need Lies

SIR,—Dr. Clitherow's recent remark that pharmacy and pharmacists are today more in need of nourishment is, I submit, a half-truth. In the last decade pharmacy has had an enormous amount of nourishment, ranging from the sulphonamides, vitamins, etc., to the antibiotics; and I would venture that, with the possible exception of the last-named, the food has been well assimilated. Pharmacists are, however, in need of nourishment, especially, it may be pointed out, from the Ministry of Health. Surely, if Dr. Clitherow wishes to serve pharmacy, it would be more useful for him to shake up the Ministry into payment of reasonable fees promptly, and to obtain for

pharmacists a capital charge on apparatus, etc., rather than to split the ranks of pharmacy by creating another body and demanding for it rights of negotiation with the Ministry, yet admitting that such a body would contain persons of diverse interests and viewpoints.—Yours faithfully,

EMPLOYEE

London Degree in Pharmacy

SIR,—In your reference (*C & D.*, October 12, p. 469) to the revised regulations for the London University degree Bachelor of Pharmacy for international students you have rightly drawn attention to the value to the profession of a three-year course in pharmaceutical subjects in place of the former two-year course. In doing so, however, there has been a tendency to overlook a very important matter to the prospective degree student, namely, a change in the subjects in which the student must attain a prescribed standard of proficiency before commencing the study of pharmaceutical subjects. Under the revised regulations the student must obtain an approved standard in chemistry, physics, mathematics and one biological subject in the Higher School Certificate examination, or a comparable University examination, while under the old regulations subjects were chemistry, physics, botany and zoology. These changes are important, any student who is proposing to present himself for either the Higher School Certificate or the Intermediate examination of the University of London in 1948 is advised to study chemistry, physics, biology and mathematics (in the case of the Higher School Certificate all at principal or minor standard). A student who is entering either of the above examinations in 1948 and who has studied chemistry, physics, botany and zoology should realise that he is restricted to entry for the degree under old regulations, and that the University has stated that the last of these examinations will be held in 1950. A student who is taking the subjects of chemistry, physics, botany and zoology who wishes to sit for the degree under the revised regulations should consult the University. Finally I would add that the above remarks apply equally to the revised regulations for external students which have been announced since the publication of the revised regulations for internal students.—Yours faithfully,

London, W.C.1. HUGH N. LINSTEAD,

Secretary,

Pharmaceutical Society of Great Britain

TRADE REPORT

Set quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

Essex St., W.C.2, November 6

A TEADIER tendency has been noted in the PHARMACEUTICAL CHEMICALS markets during the past week and no changes in prices have occurred. The export inquiry continues on the high level recorded recently and there has been some seasonal demand in the home trade. ACETANILIDE and ACETINE have been in good request and BENDELIC ACID is rather more active. Owing to an increase in the cost of raw material, TERPINEOL is likely to be dearer.

MERCURY Reverts to Private Trade

The Board of Trade announces that MERCURY reverts to private trade on November 1 after which date importation on own account or through an agent will be permitted. Intending importers should submit an application to the Import Licensing Department, Board of Trade, 189 Regent Street, London, W.1. Supplies of mercury will still be obtained from the Government until such time as users are able to make their own buying arrangements, but it is hoped that such arrangements will be made not later than December 31.

Trade Drugs

There have been no outstanding changes in the quotations in these markets during the last few days. ALOES continues to be in good demand at slightly easier prices. STAR (STAR) is quoted a little lower than last week. CAMPHOR is in good request for export and for home trade; both tablets and powder are tending easier as new arrivals help to ease the supply position. Reports show that COCHINEAL "lacks" are very scarce. COLOCYNTH and ERGOT are lower in price. STYRAX may be obtained, in limited quantities, on a spot.

Essential and Expressed Oils

Few changes have been reported in the prices of ESSENTIAL OILS during the period under review. BAY and LAVENDER are dearer, and English-distilled NUTMEG is reported scarce and firm. CORIANDER has risen considerably advanced in price. Circular No. 31 from the Essential Oils Control notifies a further list of essential oils removed from the scheme of distribution. The list of essential oils removed from the distribution scheme to date is given on p. 2.

U.S. Drug and Chemical Report

New York, November 1

GENERALLY strong conditions prevailed on the HEAVY CHEMICALS markets during the week. In most of the basic coal tar chemicals, short stocks continued, PHENOL being in particularly short supply with CREOSOTE OIL and CRESYLIC ACID close behind. SODIUM FLUORIDE has moved into a somewhat tighter position; considerably more orders are being placed for this item, which it is understood, lost favour on the introduction of DDT.

MENTHOL is commanding considerable attention at the present time on the markets following the arrival of 13 tons of material from Japan which, it is believed, constituted about half of the total available supply in that country. A shipment (approximately 40 tons) is said to have arrived here from China, while the "Journal of Commerce" carries a report of the arrival of 1,272 cases from Brazil. A 10-cent. decline in the quotation was recorded. MERCURY presents a confused picture with low-priced offerings of Italian material expected to force down the price of domestically-produced metal. Meanwhile, the O.P.A. has granted an increase in the maximum price schedules of BISMUTH preparations following individual applications by manufacturers. GLYCERIN continues in extremely short supply, with trade representatives pointing out that the decontrol of fats and oils will not necessarily mean an increase in the quota for soap manufacturing—source of a large part of glycerin output; in any case, there will be little material improvement before the end of the year. A tightening-up in COD-LIVER-OIL has occasioned an advance in the quotation although large consumers are thought to have covered their winter requirements earlier this year. Nearly 500 drums were imported from Newfoundland this week.

Drugs imported from central European countries will cost about 40 to 50 per cent. more next year, according to a trade representative who has just returned here from a visit to Bulgaria, Rumania, Hungary and other countries. Early crops, such as BELLADONNA and CHAMOMILE FLOWERS have suffered from drought in the principal growing districts. The shipping strike is holding up supplies of some imported drugs at the docks. There has been a marked decline in the buyer resistance of recent

weeks attributed to rumours of an early de-control of processed drugs and pharmaceuticals. However, CARNAUBA WAX is still an exception and dealers have shown no more willingness to pay the exceedingly high prices at which the material is currently offered. The market for PAPAIN continued firm although a large consignment was reported to have arrived from Mombasa. A moderately good arrival of Turkish LIQUORICE EXTRACT will probably move directly into consuming channels. Both SPEARMINT and PEPPERMINT OILS are still very scarce.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' prices are 2s. 5d. per lb. for crystals and 2s. 6d. for powder.

AMIDOPYRINE.—Quotations for 56-lb. lots are at 36s. per lb., with other quantities in proportion.

AMPHETAMINE.—Makers' price is unchanged at 150s. per lb.

ASPIRIN.—Home market prices steady; quotations per lb., in quantities of 28-lb.-1-cwt., are (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ATROPINE.—Home trade prices per oz. are steady at: ALKALOID, 42s. 6d.; 4 oz., 42s.; 25 oz., 41s. 6d. SULPHATE, 34s.; 4 oz., 33s. 6d.; 25 oz., 33s. METHYLBROMIDE and METHYLNITRATE, 75s.

BARIUM SULPHATE, B.P. (x-ray).—Prices per lb. quoted by makers, in 28-lb.-1 cwt. lots, for home sales, are (containers in brackets): 1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.). Prices are net, one month.

BENZOIC ACID.—In limited supply. Quotations for small quantities are at 2s. 9d. per lb.

BISMUTH SALTS.—Makers' prices are as follows (containers in brackets): 7 lb. and under 14 lb., 14s. 2d. (1-lb.); 14s. 1d. (2-lb.); 14s. 0½d. (4-lb.); 13s. 11½d. (7-lb.); 14 lb. and under 28 lb., 13s. 11½d. (1-lb.); 13s. 10½d. (2-lb.); 13s. 10d. (4-lb.); 13s. 9d. (7-lb.); 13s. 8½d. (14-lb.), per lb. CITRATE, 1s. 8d. per lb. over above prices. SUBGALLATE, 3s. 11d. per lb. over above prices. SUBNITRATE, 1s. 3d. per lb. over above prices.

BORAX.—Makers' prices are: B.P. quality, granulated, £38 per ton; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in 1-cwt. bags, delivered carriage paid in Great Britain, in 1-ton lots and upwards.

BORIC ACID.—The following are make current rates per ton lots of B.P.: Granulated, £60; crystal, £61; powder, £6. Commercial grades, £8 per ton less. Pack in 1-cwt. bags, delivered carriage paid Great Britain, in 1-ton lots and upwards.

BROMIDES.—The prices for these products remain unchanged. POTASSIUM, quantities of 28 lb., is quoted at the following rates per lb. (containers in brackets) 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 10½d. (28-lb.). SODIUM, 1½d. per lb. less, and AMMONIUM 1½d. per lb. more, than above prices. Prices are net, without engagement.

CHLORAL HYDRATE.—Prices are unchanged. 28 lb., 4s. 5d. per lb.; 14 lb., 4s. 9d.; 7 lb., 5s.; less than 7 lb., 5s. 6 per lb.

GUAIACOLS.—In limited supply. Quotations are as follows: Liquid, 16s. per lb. crystal, 15s. per lb.; carbonate, 15s. per lb.

HEXAMINE.—Quotations for crystals 56-lb. lots are at 1s. 6d. per lb.; small quantities in proportion.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets)

ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d. 16 oz., 87s. 6d.; (4s.). **HYDROCHLORID HYDROBROMIDE** and **SULPHATE**.—1 oz. 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYOSCINE HYDROBROMIDE.—Makers' price for quantities of 1 gram, is 6s. 6d. 1 oz., 150s.; larger quantities, 147s. 6d. per oz.

MANDELIC ACID.—Demand is good. Current prices are as follows: 1 lb., 22s. per lb. 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

PHENACETIN.—Small quantities are available at 4s. 6d. per lb.

PHENAZONE.—Prices are unchanged 20s. per lb., for 56-lb. lots; other quantities in proportion.

PHENOLPHTHALEIN.—Prices are unchanged. 1 cwt., 4s. 10d. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

Crude Drugs

ALOES.—Curaçao is steady at 270s. per cwt., on the spot; forward quotations, 240s. to 245s., c.i.f.

ANISE (STAR).—Quotations are easier from 190s. to 210s. per cwt., on the spot shipment, about 115s., c.i.f.

ARECA NUTS.—Ceylon are easier at 60 per cwt., on the spot; shipment, 50s. per cwt.

BALSAMS.—*Canada* is offered at 14s. 9d. per lb. *Peru* is quoted at from 8s., duty paid; in bond, 7s. 6d. *Tolu*, very scarce, 17s. 6d., spot.

BELLADONNA.—Italian root is offered at 5s. per cwt., c.i.f.

BENZOIN.—A good demand continues. *Matra*, near-at-hand, £25 per cwt.

BISMUTH.—Price of high-grade metal remains at 9s. per lb., in minimum lots of cwt.

BUCHU.—Quiet market. Short-rounds are offered at 4s. 6d. per lb.

CALABAR BEANS.—Offered at 1s. 10*½*d. per lb., ex warehouse Liverpool.

CALUMBA.—Natural root, in fair supply, quoted at 70s. per cwt., spot; washed, 5s. per cwt.

CAMPHOR.—In fair supply. Chinese 1*½*-tablets, 11s. 9d. per lb., spot; shipment, 3d., c.i.f. 1-oz. tablets, 11s., spot; 1-lb. slabs, 11s. 3d. Powder, 10s. 6d., spot; 7s., c.i.f.

CANTHARIDES.—In poor demand. Chinese (*Mylabris*) is quoted at 13s. per lb., f.c.

CASCARA SAGRADA.—Canadian bark is quoted on the spot at from 280s. to 285s. per cwt., landed, duty paid.

CASCARILLA.—Quills are quoted at 4*½*d. per lb., on the spot.

CHAULMOOGRA.—*Hydnocarpus* is steady at 2s. per lb., in tins in cases.

CLOVES.—Zanzibar, quoted on the spot 1*½*d. per lb.; afloat, 1*½*d., c.i.f., buyers' choice; November-December shipment, 1*½*d. per lb., c.i.f.

COCHINEAL.—Business continues to be quiet. Silver-grey are steady at 5s. 6d. per lb.; blacks, in limited supply, are being offered at 5s. 9d.

COCOA BUTTER.—Controlled price is 7d. per lb., delivered.

COCONUT (DESICCATED).—Maximum controlled price is 74s. 8d. per cwt., ex store.

COLOCYNTH.—In fair supply. Fine-white oil is offered at 2s. 6d. per lb.; medium-white, 2s. 3d. per lb.

ERGOT.—In limited supply. Fair material easier at 5s. 9d. per lb., spot.

GALBANUM.—Quotations for small quantities are about 8s. 6d. per lb., duty paid.

GENTIAN.—French root is quoted at 2s. per cwt., on the spot.

GINGER.—Firm market. *Jamaica* No. 1 offered at 130s. per cwt.; No. 2, 115s.;

No. 3, 110s. *African* is quoted at 82s. 6d. spot.

GUM ACACIA.—Demand fair. *Kordofan* cleaned sorts, 76s. per cwt., London; 74s. Liverpool. *Talha*, cleaned, 45s., spot; 42s. 6d., c.i.f.

GUM MASTIC.—In fair supply. Quotations for No. 1 material are easier at 17s. per lb.

JABORANDI.—None on the spot. Shipment is steady at from 90s. to 125s. per cwt., according to quality.

JALAP.—*Vera Cruz*, testing 12.4 per cent. resin, is steady at 3s. 6d. per lb., spot.

JUNIPER.—Italian berries are offered at from 56s. to 65s. per cwt., according to quality.

KAMALA.—Small quantities are quoted at 3s. per lb., landed.

LIQUORICE ROOT.—Anatolian whole root, firmer at 65s. to 75s. per cwt., on the spot.

LOBELIA.—In good demand. Quoted steady on the spot at 6s. 6d. per lb. Limited supply.

MENTHOL.—Brazilian, 45s. per lb., duty paid. Chinese, 50s., spot; afloat, 47s. 6d. per lb., landed, duty paid.

MYRRH.—Aden sorts, firmly held at £14 to £16 per cwt., according to quality. Siftings are quoted at £10 per cwt.

NUX VOMICA.—Business quiet. Madras, from 40s. to 42s. 6d. per cwt.; Mangalore, 40s., spot; Cochin, 45s. per cwt.

ORANGE PEEL.—Spanish quarters, steady at 2s. per lb.; sweet ribbon, 2s. per lb.

ORRIS.—Florentine is steady at from 125s. to 135s. per cwt., according to holder; Verona, 75s. to 80s. per cwt., on the spot.

PAPAIN.—East African, firmly held at 24s. per lb., on the spot.

PIMENTO.—Quoted at 1s. 1*½*d. per lb., on the spot; forward, 122s. 6d., c.i.f.

QUASSIA.—Quotations are firmly maintained at 42s. 6d. per cwt., spot.

QUILLAIA.—Quotations for natural bark are steady at 125s. per cwt., spot; cut, 150s. ex store.

QUINCE SEEDS.—Spot quotations for Cape are at 6s. 9d. per lb.

RHATANY.—In fair supply. Quotations are firmly held at 1*½*d. per lb., spot.

RHUBARB.—Rough-round, of fair fracture, is quoted at from 9s. 6d. to 12s. 6d. per lb., according to quality.

SEEDS.—**ANISE.**—Turkish, steady at 2s. 7d. per lb., duty paid, spot, London.

CELERY.—Indian quoted at 1s. 6d. per lb..

spot, London or Liverpool. **CORIANDER**.—Morocco, 85s. per cwt., duty paid, spot; Indian, 82s. 6d. **CUMIN**.—Indian, now landing, 220s. per cwt., ex store Liverpool. Cyprus, 220s., spot, London. **DILL**.—Indian, offered at 57s. 6d. per cwt., ex wharf London or Liverpool. **FENNEL**.—Indian, 155s. per cwt., ex London or Liverpool. **FENUGREEK**.—Indian, 65s. to 67s. 6d. per cwt., spot, London.

SENEGA.—Fair supply available. Quotations are firmer at 15s. 6d. per lb., landed London.

SCUILL.—Supplies are shortly to be landed. Quotations for white are around 65s. per cwt.

STROPHANTHUS.—Kombé seed, 100 per cent, is steady at 7s. per lb. on the spot.

STYRAX.—In limited supply; offered at 4s. 10d. per lb., duty paid.

TONKA BEANS.—Frosted Para are quoted at prices from 6s. to 6s. 6d. per lb.

TRAGACANTH.—Market quiet with prices steady. Selected grades are quoted at £155 per cwt. Prices of medium grades are as follows: No. 1, white, £145 per cwt.; No. 2 white, £125; No. 3, white, £110; No. 4 white, £85; pale leaf, £50; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

VALERIAN.—Belgian is offered at from 240s. to 255s. per cwt., according to holder.

Essential and Expressed Oils

BAY.—In fair supply. West Indian, in small lots, is quoted at 9s. 6d. per lb.

CASTOR.—Controlled prices unchanged. "Firsts," £110; "seconds," £108 per ton, naked ex works.

CLOVE.—English-distilled oil is steady at from 11s. 6d. to 12s. 6d. per lb., according to quantity.

CORIANDER.—English-distilled oil of B.P. quality is quoted at 250s. per lb.

COTTONSEED.—Official quotations are as follows: Crude, £52 2s. 6d. per ton; washed, £55 5s.; refined, edible, £57; refined deodorised, £58, naked ex works.

GINGER.—Prices are unchanged at from 100s. to 125s. per lb., according to source.

LAVENDER.—French oil (38 to 40 per cent. esters) is quoted firmer at 65s. per lb., spot; Spanish (spike), 16s. per lb.

LEMONGRASS.—Quotations are from 20s. to 21s. per lb., on the spot.

LIME.—West Indian-distilled oil is steady on the spot at 35s. per lb.

LINSEED.—Controlled price for crude oil is unchanged at £135 per ton, naked ex works.

NUTMEG.—English-distilled oil is firm at 75s. per lb., spot.

OLIVE.—Controlled price to wholesalers is 47s. 9d. per gall. of 9 lb., ex store London, in 45-50 gall. drums. Prices from wholesaler to retailer are as follows: In 1 s. containers, 55s. 6d. per imperial gall.; gall. containers, 56s. 3d.; quart containers, 57s.; pint containers, 58s. per gall. Containers returnable.

ORIGANUM.—Quotations are firmly maintained at 21s. per lb., on the spot.

PIMENTO BERRY.—English-distilled oil firmly held at 57s. 6d. per lb.

RAPESEED.—Controlled price is changed. Bulk supplies of crude oil quoted at £91 per gall., naked ex works.

SASSAFRAS.—Brazilian is offered 6s. 6d. per lb., on the spot; forward, sellers.

THYME.—Red oil (40 per cent. phenol) is firmly held at 21s. per lb., spot; white 22s. 6d. per lb.

TURPENTINE.—The Board of Trade announces an increase in the selling price of TURPENTINE to take effect from October 18. The new prices are: American g. spirits, £125 per ton; Portuguese g. spirits, £115 per ton; American steam distilled wood spirits, £110 per ton. Term Net, naked, including duty, ex store U.S.A. delivery in loan drums. The following are the prices for resale by retail distributor.

	American gum spirits	Portuguese gum spirits	American steam distilled wood spirit
s. d.	s. d.	s. d.	s. d.
5 gall.	11 9	11 0	10 6
10 gall.	11 6	10 9	10 3

Net, per imperial gall., including duty, suppliers' premises in free drums.

Decontrolled Essential Oils

THE Essential Oils Control gives notice that a further number of oils have been removed from the scheme of distribution. Oils removed from the scheme to date are as follows: Basil, bay, cade, cassia, cinnamon leaf, citronella (Ceylon), coriander, eucalyptus (*citriodora*), fennel, geranium, guaiacwood, juniper berry, lavender, lavender spike, lavandin, lemongrass, lime, majoram, neroli, origanum, patchouli, pepermint (French and French North African), rosemary, sage, sassafras (Brazilian), thyme and vetivert.

MISCELLANEOUS INQUIRIES

Formulas given below may have been prepared for overseas subscribers and the inclusion of substances therein is no indication that they are available in Britain or, if available, permitted to be used for the purpose.

Hair-colour Restorer.—*J.C.*—To restore hair to its natural colour we suggest the following formula:—

Hennæ fol.	...	...	...	3 <i>i</i>
Alcohol	...	...	...	3 <i>iiss</i>
Aq. ad	...	...	...	3 <i>x</i>

This gives an auburn brown colour and can be darkened by adding ammonia.

Nail Polish.—*K.L.M.*—The following are alternative preparations. One or the other may suit your requirements:—

Nitrocellulose	...	...	...	1 <i>2</i>
Butyl stearate	...	...	...	5
Acetone	...	...	...	50
Amyl acetate	...	...	...	30
Ester gum or gum mastic	...	...	...	5
Nitrocellulose	...	...	...	1 <i>2</i>
Acetone	...	...	...	50
Amyl acetate	...	...	...	20
Methyl ethyl ketone	...	...	...	5
Diacetone alcohol	...	...	...	2
Dewaxed dammar	...	...	...	0.4

Suitable colouring materials are cellaquer oak, 74,194, 0.05 per cent., cellaquer rose, 0,79, 0.05 per cent., and cellaquer ruby, 4,762, 0.25 per cent. To test the elasticity of the product a little may be poured on to a glass plate, the area covered being about the size of a sixpenny piece, and allowed to dry overnight. When removed by careful section of a knife-blade under its edge, a poor-quality varnish strips off; a good one comes away in a sheet.

Bottle-capping Solution.—*S.P.J.*—The following are alternative formulas for bottle-capping solutions.

I

Soak 7 lb. good gelatin in 10 oz. glycerin and 60 oz. water. Heat over water-bath until dissolved, and add my desired colour (e.g., an aniline colour). Store the jelly in jars. For use, liquefy the mass and dip the cork and a portion of the neck of the bottle into the liquid. The solution sets quickly.

II

Gelatin (cut small)	...	2 oz.
Glycerin	...	6 dr.
Glue size	...	4 dr.

Magenta (1 in 6 in equal parts glycerin and water) Amyl acetate 2 min. Soak the gelatin in cold water for ten minutes, press, add the glue size and glycerin. Dissolve in a water bath, then add the magenta solution and amyl acetate. Dip while hot.

Husk in Cow.—*H.S.T.*—In the treatment of husk in the cow, intratracheal injections of turpentine with phenol and chloroform are used. The following are suitable formulas:—

I

Tereben.	...	...	...	3 <i>i</i>
Phenol.	...	...	...	mxx
Chloroform.	...	...	...	xxxx

II

Phenol.	...	...	...	mxx
Chloroform.	...	...	...	3ss
Ol. olivæ	...	...	...	3ii

The doses may be increased to a maximum of 50 per cent, above the quantities stated. During the injection, the head of the animal is held erect and a position half way between the throat and the breast of the animal chosen for insertion of the syringe, which must go cleanly through the trachea into its lumen, and not merely into the lining membrane, otherwise abscess formation, with serious consequences, may result.

Hair Emulsion.—*T.I.C.*—The following are alternative formulas for hair cream containing an emulsifying wax:—

I

Glyceryl monostearate	...	...	30
Cetol wax F	...	...	2
Olive oil (deodorised)	...	...	10
Water	...	...	85
Perfume	...	...	q.s.
Preservative	...	...	q.s.

II

Lanette wax SX	...	...	2
Arachis or other vegetable oil	...	...	10
Castor oil	...	...	5
Water	...	...	100
Perfume	...	...	q.s.
Preservative	...	...	q.s.

Water Softeners.—*V.M.*—Alumino silicates such as sodium permutite used in some water-softeners, function on the base-exchange principle. The Ca^{++} is removed from the hard water by the compound, and when the charge in the water-softener cylinder is exhausted, the compound is regenerated by flushing with a solution of brine (when the Na^{+} replaces the Ca^{++} of the exhausted material).

OVERSEAS TRADE NEWS

Swiss-Belgian Trade Agreement.—A new trade agreement between Switzerland and Belgium has been concluded. Belgium will receive from Switzerland a range of goods, including a number of pharmaceutical products.

Fats and Oils Decontrolled in U.S.—All edible and non-edible oils and fats which have been subject to price restrictions, are now decontrolled, states a Washington report. The higher market rates for oils will, it is thought, encourage production not only in the U.S., but in foreign countries as well.

Canadian Export Values.—The Dominion exported medicinal and proprietary preparations during the month of August to the value of \$634,000, compared with \$389,000 for August 1945. The total for the eight months ended August 1946 was, however, \$694,000 less than that for the corresponding period in 1945.

Allies Dismantling More German Factories.—A message from Hamburg states that the British Military Government in Germany has published a list of fourteen German industrial works in the North Rhine-Westphalia area which are to be dismantled. They include the Matthes und Weber A.G. chemical works at Duisburg, and the I.G. Farbenindustrie Chlorfabrik at Uerdingen-Krefeld.

U.S. Reduces Penicillin Price.—The price of penicillin in the United States has again been reduced to the record low figure of 50 cents per vial of 1,000 units for hospitals and 38 cents per vial for wholesalers. Penicillin in the U.S. has steadily become cheaper with the increase in production. At the beginning of 1944, the price for a vial of 1,000 units was around \$75.

Franco-Turkish Trade Agreement.—Under a new Franco-Turkish trade agreement signed for the initial period of one year, Turkey will supply France with minerals, silk, oil kernels and other products, in exchange for French wool and cotton fabrics, rubber products, photographic and other instruments, films and film cellulose, optical instruments, chemical and biological products, and pharmaceutical specialities.

Kenya and Uganda Trade.—Recently published statistics show that in the quarter ended March 31, imports of drug trade merchandise into Kenya and Uganda, in order of importance, were (values in shill-

ings): Drugs, medicines and medical preparations, 1,272,037; perfumery, cosmetic and toilet preparations, 600,030; spirit, 593,903. Exports included pyrethrum, 9,808,155; sodium carbonate, 1,534,620. Re-exports were valued at 1,635,753, including papain, 267,753 and soap produced, 107,118.

Argentine-Spanish Trade Agreement.—A trade agreement between Argentina and Spain was signed on October 30. In turn for foodstuffs Spain is to supply Argentina between 1947 and 1951 with a minimum of 15 per cent. of her exportable surplus of olive oil providing this does not exceed 8,000 tons annually. Argentina also receives fixed tonnages of various mineral products, lead, cork and olives and a percentage of a large range of other Spanish products.

South American Olive Oil.—Brazilian demand for olive oil has been steadily growing while imports since the beginning of the war have been decreasing. Shipments since 1940 from the country's pre-war suppliers, Italy, France, Spain, Greece and Portugal have been completely cut off with the exception of those from the last-named country; consequently, plans for the promotion of olive production in the South American countries have been drawn and besides possibilities which exist in Brazil, many millions of trees have already been planted in Argentina and Chile. Argentina is said to be currently producing the fourth largest crop in the world and to promote further the cultivation of olives.

U.S. Coal Tar Chemicals.—The production of coal tar chemicals in the United States, states a Reuter report, has made gradual progress towards a restoration of normal supplies, although labour shortages and delays in the shipment of machine replacements still deter production. The supply of benzol has shown gradual improvement. Output of cresylic acid is still insufficient, however, to satisfy requirements, and imports were inadequate to relieve the tight supply situation. The producers are reluctant to accept new business, the major consuming industries having contracted for the output for an indefinite period. Demands for fumaric and maleic acids for use in the manufacture of synthetic resins have shown only slight signs of diminishing, and, consequently, shipments continue to be confined to regular custom-

"ATTEMPT TO SUPPRESS" A SOUTH AFRICAN PROPRIETARY

The South African Minister of Health and Secretary for Public Health were ordered, by the Pretoria Supreme Court on September 12, to return stocks of a preparation called Somnex to the persons from whom such stocks had been seized. A reserved judgment was delivered on an application in which the Minister and Secretary for Public Health were first and third respondents. William Paterson (editor of the "South African Pharmaceutical Journal") was second respondent. The applicants were Orangia Medical Supplies (Pty), Ltd., and Messrs. H. S. Coaker, N. N. Howell and Stusser. The judge ordered Mr. Paterson to destroy p. 33 of the July issue of the journal or to render permanently illegible the whole reference to Somnex appearing on that page. The Minister of Health and Secretary for Public Health were ordered to return stocks of Somnex seized and detained, and to rescind any order for seizure or detention. All other relief claimed was refused.

Cial Action Not Prevented

The judge said the order was not to be regarded as deterring or preventing the Minister or the Secretary from taking whatever action they might be advised or authorized to take in connexion with the sale of Somnex. He would hear counsel on the question of costs before making any order. The presiding judge said that Coaker, Howell and Stusser were partners. Orangia Medical Supplies was a private company in which the applicants were the sole shareholders and directors. In 1929 the firm began to manufacture a drug, to which it gave the name of Somnex, as a cure for insomnia.

The preparation was stated to consist of aldehyde, to which colouring matter was added. In August 1944, paraldehyde was listed as a Division 2 poison. In 1944 Coaker placed an advertisement in "Outspan," a weekly magazine, stating "Sleep is absolutely essential to good health. Many people develop 'the habit of insomnia,' which is the name given to chronic sleeplessness not caused by pain. Somnex is a safe and certain remedy for insomnia. It is quite harmless—not habit-forming or noxious." The advertisement had appeared until December 1945, when Coaker caused the words "safe and" and the

words "it is quite harmless—not habit-forming or poisonous," to be deleted. In April 1945, the Department of Health had asked the public prosecutor at Ladybrand, where the applicants carried on business, to consider instituting criminal proceedings under the Medical Act. On April 15, 1946, Coaker was found guilty by the magistrate on an additional charge of falsitas on account of the advertisement in the "Outspan" as it appeared before December 1945. Coaker appealed to the Supreme Court against his conviction and sentence, and his appeal was upheld on July 29, 1946. On June 25, 1946, the Secretary for Public Health wrote to the secretary of the Orange Free State Pharmaceutical Society, stating that the Department had decided to remove from the market all stocks of Somnex. Two paragraphs of the letter appeared in the July issue of the "South African Pharmaceutical Journal." After the prosecution at Ladybrand, the carton and get-up of Somnex had been altered to meet the Department's evident wish, and the words "not habit-forming" and "not dangerous" had been left out.

The judge said he had come to the conclusion that the applicants were not entitled to a final interdict. As an appeal had gone in favour of Coaker, it was clearly false and defamatory to say that the manufacturers of Somnex had been convicted on a charge of falsitas in connexion with the marketing of the preparation. As the law stood, the only offence in the sale of Somnex could be in the description of its qualities and nature. Yet the Department's head officers had admitted that they did not know whether the sale of Somnex today offended in that respect or not. The secretary could not therefore have had reason to believe that it was falsely described. "I am satisfied that he caused Somnex stocks to be seized with the view of suppressing its sale, and because he considered its uncontrolled sale as a proprietary medicine not in the interest of the public." Parliament had not given the Health Department plenary powers in that respect. If the secretary had intended to obtain a ruling from a magistrate one sample would have been sufficient. Applicants were entitled to restitution to the position that existed before the instructions were issued and the seizure took place and he therefore gave his decision as stated above.

TRADE MARKS

(From "The Trade Marks Journal," October 16)

- "ASTROLITE"; for brushes included in this class and brush making materials (21). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 642,217 (Associated).
- "ESME"; for hair grips (26). By Davies Steel Specialities, Ltd., Building C.3, Treforest Trading Estate, Pontypridd, S. Wales. B641,967.
- "MOLYNOR"; for hair curlers for attachment to the hair (26). By Rayment & Norman, Ltd., 60 Greek Street, London, W.1. 642,307.
- "HALICHOC"; for vitaminised chocolate in block, liquid, paste, powder and tablet form (30). By Museum Drug Stores, 69A High Street, Godalming, Surrey. B637,698.

Device of cross, leaves and words "Carus Product" (word "Carus" disclaimed). It is a condition of registration that the Mark shall not be used with the cross device appearing thereon in red, or in white or silver on a red ground, or with the cross device and ground in, or of, any similar respective colour or colours; for paper included in this class, and non-medicated paper handkerchiefs (16). By Alexander Carus & Sons, Ltd., Hoddlesden Mills, Johnson Road, Hoddlesden, Darwen, Lancashire. 642,458 (Associated).

(From "The Trade Marks Journal," October 23)

- "RESLOOM"; for chemical compositions (not being dyes and not being waterproofing compositions) for use in the treatment of textiles in the course of manufacture (1). By Monsanto Chemical Co., 1700 South Second Street, St. Louis, Missouri, U.S.A. 636,079.

Words "THREE RAVENS" with design of three ravens and globe; for chemical products used in industry, science and photography; adhesive substances used in industry (1); electrical apparatus and instruments included in this class; scientific and weighing apparatus and instruments (9). By Arthur E. Evans & Co., Ltd., Westminster Bank Chambers, North Street, Bishop's Stortford, Herts. 639,173-77 (Associated).

- "RAY-ETTA"; for essential oils, toilet preparations (not medicated), perfumes, perfumed soap, cosmetic preparations,

preparations and sachets for use waving the hair by hot or cold processes, hair growing and restoring preparations (3). By Raymonde Shap 71a North Street, Belfast, Northern Ireland. 639,147.

- "LINK"; for essential oils, essence badian, cosmetic essences and flavorings consisting wholly or principally essential oils, none of the aforesaid goods being alcoholic (3). By Cumming, Parsons, Ltd., Top Lilley Street Works, St. Mary Street, Queen's Road, Manchester, 9. 639,614 (Associate).
- "ETE FLEURI" and "CAP A LA VIE"; soaps, perfumery, toilet preparations (not medicated), and cosmetic preparations (3). By Mury-Exportation, Rue de la Paix, Paris, France. 640,800-01.

"CARVEN"; for liquid perfumes (3). Société à Responsabilité Limitée Carven, 6 Rond Point des Champs Elysées, Paris, France. 641,245.

- "CARUS PRODUCT"; device of cross, lettering and leaves (word "Carus" disclaimed), as for 642,458, under October 16, above; for toilet powders (not medicated) and soaps (3); for surgical articles of rubber and surgical instruments (10). By Alexander Carus Sons, Ltd. 642,456-57 (Associated).

"ANTASE"; for pharmaceutical preparations for human and veterinary use (5);

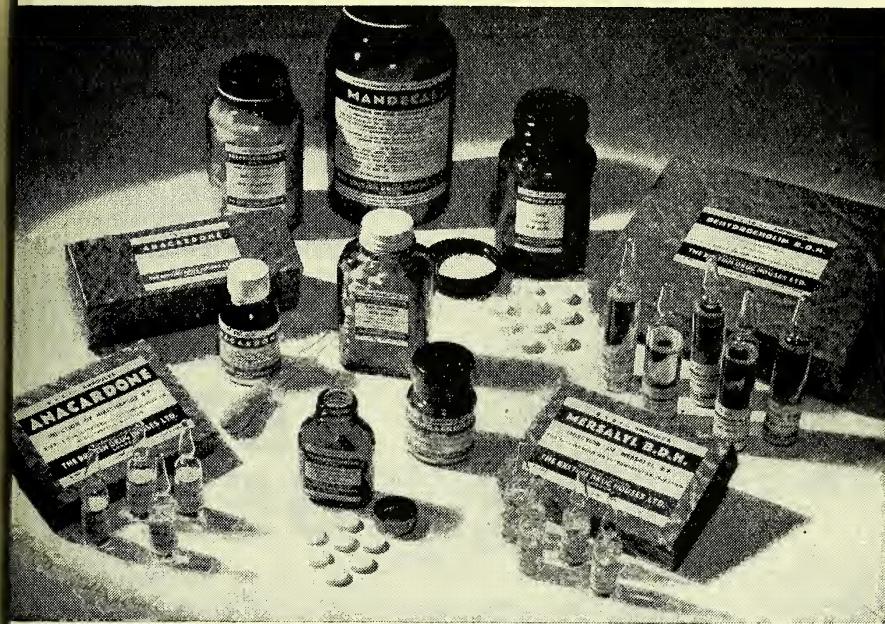
- "TAKABEXIN"; for preparations of diastase and of vitamin B for pharmaceutical purposes (5). By Parke, Davis Co., Ltd., 50-54 Beak Street, London, W.1. 639,928, 641,461 (Associated).

"LIVOX"; for pharmaceutical preparations containing liver for use in the treatment of anaemia (5). By Oxon Ltd., Thames House, Queen Street Place, London, E.C.4. 641,207.

- "CYSTOSANETS"; for pharmaceutical preparations for use in the treatment of diseases of the urinary organs (5). By Nu-Organic Remedies, Ltd., 19 Broadhurst Gardens, West End Lane, London, N.W.6. 641,234.

"PENTOCRINE"; for all goods (5). By Warble Blenkinsop & Co., Ltd., Brookland Wood Road, Halewood, Liverpool. 641,427.

- "NARCOSAN"; for pharmaceutical preparations and substances (5). By H. J. Napp, Ltd., 3 & 4 Clements Inn Strand, London, W.C.2. 641,706.



SOME B.D.H. MEDICAL PRODUCTS

MINOACRIDINE B.D.H.

non-staining and comparatively colourless anti-bacterial flavine. Bottles of 5 grm. and 25 grm.

NACARDONE (Nikethamide B.P.)

2 c.c. and 5 c.c. ampoules for injection.
15 c.c. and 100 c.c. bottles for oral use.

DEHYDROCHOLIN B.D.H.

For intravenous administration. 5 c.c. or 10 c.c. ampoules containing 20% of sodium dehydrocholate.

IPHENAN B.D.H.

Non-toxic anthelmintic for threadworm infestation. In tablets containing 0.5 grm.

MANDECAL.

(Compound Calcium Mandelate B.D.H.).

A readily tolerated form of mandelic acid. Bottle of 130 grm.

MERSALYL B.D.H.

Solution in ampoules. (Inj. Mersalyl B.P.). 1 c.c. and 2 c.c. Also in suppositories and tablets.

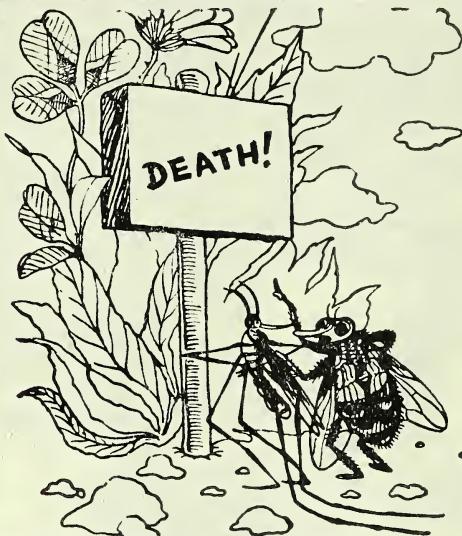
METHYL-THIOURACIL B.D.H.

Antithyroid substance, less toxic than thiouracil. In tablets containing 0.05 grm., 0.1 grm. and 0.2 grm.

SULPHATHIAZOLE B.D.H.

Tablets of sulphathiazole B.P. each containing 0.5 grm.





PHARMACEUTICAL LABORATORIES GEIGY LTD., NATIONAL BUILDINGS, M/c 3.
STAFFORD ALLEN & SONS LTD., 20 WHARF ROAD, LONDON, N.I.

D.S.8

DDT/ GEIGY

GRAESSER SALICYLATES
LIMITED
Manufacturers of Fine Chemicals
SANDYCROFT
CHESTER, ENGLAND

PHENYL SALICYLATE
B.P.C.

(SALOL)

Available in the form of
Crystalline Powder for which
we invite your enquiries

SKAT
(PYRETHRUM)
INSECT POWDER
Biologically Standardised
(with or without D.D.T.)

and SPRAY

*for Domestic and
Horticultural purposes*
AGENTS REQUIRED

BLACKWELL HAYES & Co. Ltd.
Manufacturing Chemists
54/58, MOOR STREET, BIRMINGHAM, 4

Estersil



THE ETHYL AND PROPYL ESTERS
OF SALICYL GLYCOLIC ACID

A valuable remedy recommended by the Medical Profession for use where rheumatoid conditions exist. The viscosity is such that a suitable rate of absorption is ensured.

JOHNSON & SONS
MANUFACTURING CHEMISTS LTD.
HENDON, N.W.4. Established 1743

Manufacturers of **TANNIC ACID** (Bulk Supplies Only)
ALL QUALITIES

THE BRITISH DYEWOOD COMPANY LTD.
19 St. VINCENT PLACE, GLASGOW, C.1

Telephone : CENTRAL 4425

TELEGRAMS : DYEWOOD

WE SPECIALIZE IN
THE MANUFACTURE OF

GALIC ACID-PYROGALIC ACID

PURE & TECHNICAL

RESUBLIMED, PURE CRYSTAL & TECHNICAL

WHOLESALE & EXPORT ONLY. Enquiries Invited

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING, ESSEX

TELEPHONE: RIPPLEWAY 2763

TELEGRAMS: "GALIC, BARKING."

RELY UPON



All prepared and standardised under direct personal control

R. GRAESSER LTD.

The Chemical Works, Sandycroft, nr. Chester

F. GUTKIND & Co. LTD.
82 KING WILLIAM STREET, E.C.4

invite enquiries for
SWEET ALMOND OIL B.P.
LIQUORICE JUICE in Blocks

Tel.: Mansion House 4287/8. Grams: Guckind, Cannon, London.

May we quote you for—

GLAUBER SALTS B.P.

Pea Crystal and Feathery

EPSOM SALTS B.P.

Needle Crystals, Medium, Exsiccated

All grades conform to the 1932 B.P. Standard

Special Crystals matched and any degree of exsiccation to order. Packed for Home and Export;

HARRIS, HART & Co. Ltd.

MOSS HOUSE CHEMICAL WORKS, BLACKLEY,
MANCHESTER 9.

Telegrams :
Harp, Blackley M/c.

Telephone :
Cheetham Hill 2



Senna

FROM OUR
OWN GROWERS Alexandrian & Tinnevelly
John Ronaldson & Co. Ltd., Universal House, South
wark Bridge, London, S.E.1 Phone: Waterloo 615

MANEX SERVICES LTD.

23, HAYMARKET, LONDON, S.W.1

desirous of obtaining Representation for products
available export on Agency basis. Director of
above Company proceeds on selling mission, River
Plate, near future. Definite enquiries on hand

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils
in the world—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA.

80/85% B.P.
Oil Euc. Dives 40/45%
Oil Euc. Citriodora

70/75% B.P.
Piperitone 90/95%
Oil Euc. Phellandra

Phellandrene
UNIFORMITY OF QUALITY CONSISTENCY OF ODOUR

Agents for U.K.: WILSON & MANSFIELD LTD., 15 Philpot Lane, London, E.C.3
'Phone: MANSION HOUSE 9264-5-6 (WHOLESALE ONLY)

Grams: WYFIELD, LONDON

Order from
in good time
Sales Commissions
A. ELDER
BATTERSEA HIGH

ember 9, 1946

THE CHEMIST AND DRUGGIST
SUPPLEMENT

NAMES THAT HAVE MADE EDINBURGH FAMOUS
IN THE REALMS OF CHEMISTRY

2843



LYON PLAYFAIR, 1st Baron
(1819-1898)

EDUCATED at St Andrews and thereafter studied Chemistry, under Graham at Anderson's College, Glasgow, and Liebig at Giessen where he graduated Ph.D. From 1858 to 1869 he was Professor of Chemistry at Edinburgh University where, for 11 years, he taught his favourite science to a large class of students, and also had the honour of teaching chemistry to the late King Edward VII. One of his most important investigations dealt with the nitropussides which he discovered. In 1868 he was elected to represent the universities of Edinburgh and St Andrews in parliament. He was the last survivor of the 77 original members of the Chemical Society.

No. 8 of Series



ESTABLISHED 1827
BLANDFIELD CHEMICAL WORKS EDINBURGH

T. & H. SMITH LTD.
Established 1827

WORLD RENOWNED FOR

ALKALOIDS
OPIUM
DERIVATIVES
AND
FINE CHEMICALS



Aloin, Atropine, Bismuth Salts, Capsicin, Chloral Hydrate, Chloroform, Codeine, Diamorphine, Ephedrine, Gingerin, Ethylmorphine, Homatropine, Jalap Resin, Leptandrin, Morphine, Physostigmine, Podophyllin, Santonin, Scammony Resin, Strychnine
AND OTHER PHARMACEUTICAL CHEMICALS & PREPARATIONS

GLASGOW 32 VIRGINIA STREET, C.I.
LONDON 4 CARLOS PLACE, W.1

Favella
BRAND
LICORICE STICKS



ITALIAN LICORICE
of the
HIGHEST QUALITY

Order from YOUR WHOLESALER
in good time for the winter trade

Sole Concessionaires for the United Kingdom
A. ELDER REED & CO. LTD.,
BATTERSEA HIGH STREET, LONDON, S.W.11.

J K L

ALOES
CARRAGEEN MOSS
ERGOT OF RYE
FENUGREEK
GUM INCENSE
GUM KARAYA
LIQUORICE ROOT
MENTHOL CRYSTALS
QUASSIA CHIPS
QUILLAIA
SENNA LEAVES AND PODS
STROPHANTHUS SEED
and others

JOHN KELLYS (LONDON) LTD.

24 OLD BROAD STREET, LONDON, E.C.2.
Telephone: LONDON Wall 4882, 6585, 6586
Telegrams: "Ergotire, Stock, London."

We specialize in the manufacture
of
Salts and Derivatives of
8—HYDROXYQUINOLINE
including
CHINIOFONUM
and
DI-IODOQUIN

PIERSON, MORRELL & Co. Ltd.
THE ORIGINAL BRITISH ASPIRIN MAKERS
BARNET, Herts

Telegrams: Pierson Morrell Barnet
Telephone: BARnet 0723

VITAPHOS GALE

A PALATABLE TONIC
AND AID TO
CONVALESCENCE

Contains Vitamin B, Nucleinic Acid, Red Bone Marrow and Glycerophosphates.

Packed in 4 oz. and 8 oz. bottles.

**GALE, BAISSE
& CO. LTD.,
ILDERTON ROAD, LONDON,
S.E.15.**

Telephone: NEW CROSS 0094

Shakespeare — and your Products

"Constant as the northern star,
Of whose true-fixed and resting quality
There is no fellow in the firmament . . ."
Julius Caesar, Act 3, Sc. I.

With these famous words William Shakespeare praised the virtue of good quality. Percenta Ltd., in the world of modern commerce, pay no less attention, also, to the maintenance of high standards. Our containers are known for their quality of construction and design—and for the added appearance they give our clients' products.

FLASH! Attractive Plastic Lipstick Holders 11 m/m size, push-up type, now available for Home Trade and Export. 1,000 gross orders 54/- per gross. Smaller quantities prices on application. Write for our Leaflet No. 51 showing range of up-to-date metal containers.

PERCENTA LTD.
(Dept. 23)
69-73, Borough High St., London, S.E.1
Tel.: HOP 1808 & 3751



Q.P.
HAND
AND POWER
EMULSIFIERS

Emulsifiers
models will be shown
world models
45 each or
delivered free in

ORMERO
SHAW CLOUD
Telen

"National" Service

WHITE FLINT GLASS CONTAINERS
OF EXCELLENT QUALITY BACKED UP
BY FIRST CLASS SERVICE

WHOLESALE ONLY

Restrictions outside our control may not allow us to meet every requirement

NATIONAL GLASS WORKS (YORK) LTD.

WORKS: FISHERGATE, YORK. LONDON OFFICE: 105 HATTON GARDEN, E.C.I

Telephone: York 3021

Telephone: Holborn 2146



Q.P. Emulsifiers are once more available and full particulars of hand or power models will be sent on application.

Hand models can be supplied from stock at £5 each or 97s. 6d. cash with order, delivered free in U.K.

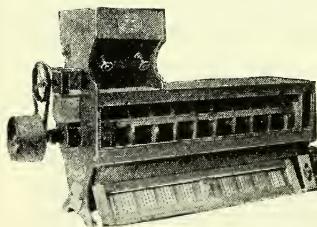
E.S.

ORMEROD ENGINEERS LTD.
SHAWCLOUGH • ROCHDALE

Telephone • Rochdale 4414 5

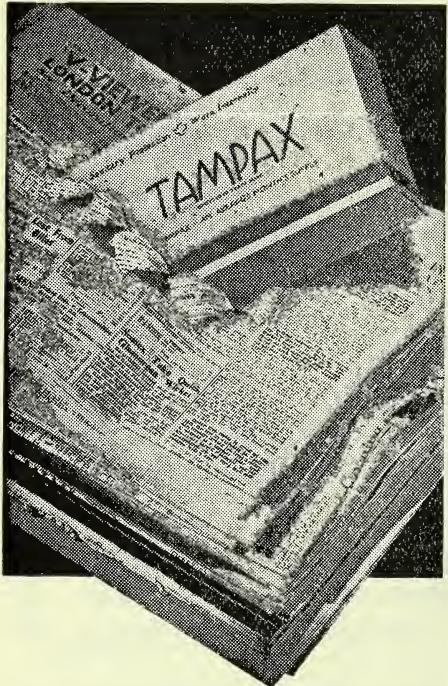
**USED SUCCESSFULLY
ALL OVER THE WORLD**

*For FINEST POWDERS
at LOWEST COST*



All enquiries to
Wm. GARDNER & Sons (Gloucester) Ltd.
Bristol Road
GLoucester, Eng.
Telephone :
Gloucester 2288
(3 lines)

GARDNER'S
Patent **QUICK-CHANGE**
fine
POWDER DRESSER



Constantly in the news!

News of the great benefits and advantages of Tampax—the perfected form of internal sanitary protection—is not only constantly in woman's eye through the papers and magazines that she reads, but personal recommendation from one woman to another ensures a rising demand which you will do well to meet with ample stocks. Tampax window and counter displays are ready to advertise those stocks for you at the point of sale.

PACKETS OF 10: TRADE 15/9 DOZ. RETAIL 1/9 PACKET.
Distributed through leading wholesalers

TAMPAX LIMITED
Sales Office: 110 Jermyn Street, London, S.W.1
Telephone: Whitehall 8696/7

LABELS OF DISTINCTION

For Wholesale Manufacturing
& Retail Chemists

MEDICAL and DISPENSING LABELS, TOILET, COSMETIC and PERFUME, largest range of STOCK LABELS (attractive two-colour 50-60 wordings), SHAMPOO POWDER ENVELOPES and INNERS, also SACCHARINE TABLET ENVELOPES, with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

*Send for our
extensive sample
range*

CARILLON PRESS LTD

Artists in the Production of Fine Labels
BOURNEMOUTH

F. SCHUTZE & CO., LTD

ESTABLISHED 1882

For "MASTER" BRAND SURGICAL TRUSSES
SUSPENSORY BANDAGES
JOCK STRAPS, etc., etc.

PERFUMERY BOTTLE WICKERERS in RAFFIA
or SILK, plain or fancy, wide range of designs.
Own bottles wickered at moderate cost

**Black Bull Works, Market Road,
London, N.7**

10/6 Fotogram Retail

**THE MASTER PHOTO-
EXPOSURE COMPUTER
WITH PREDOMINANT
PUBLICITY AND SALES.**

We help you sell!

SOLE CONCESSIONNAIRES

BRANDED SALES LTD.,
116, BUCKINGHAM AVENUE,
TRADING ESTATE, SLOUGH, BUCKS.

Optrex Tulle

BECOMES

OPTULLE

for the sake of convenience, we decided to change the name of our easily popular gauze dressing from "Optrex Tulle" to "Optulle". The dressing itself, however, has not been altered in any way. It remains exactly the same—a wide mesh gauze impregnated with Balsam of Peru in a greasy base suitable for a wide variety of uses, particularly for raw surfaces, including burns and septic wounds, and for plastic surgery cases.

Packed in tins of 24 dressings.
4" x 4" (approx.). Price 5/- per
tin, less 33½% discount.

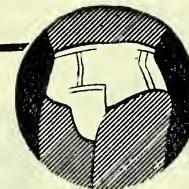
MANUFACTURED BY

**OPTREX LTD., PERIVALE
MIDDLESEX**

Sole Distributors :

CHARLES F. THACKRAY Ltd., THE OLD MEDICAL SCHOOL, PARK ST., LEEDS, 1
Also LONDON and CAPE TOWN

THE DEMAND FOR THE **LITESOME** SUPPORTER IS UNPRECEDENTED



'LITESOME'—the Scientific Supporter for Men—has now proved its popularity beyond any doubt. So much so in fact that temporarily—TEMPORARILY ONLY—demand has outstripped production.

The result is that retailers are in some cases experiencing delay in the completion of their orders, and it is a situation which we greatly regret.

Increased production is, however, well in hand and our removal to new and larger premises very shortly will see an immediate improvement. For the present we ask you to book your requirements as far ahead as possible, bearing in mind that more and more men of all ages are realising every week the very real benefits 'LITESOME' provides.

ONE FINAL POINT. 'LITESOME' is now back to pre-war quality—something you can sell with ease and with pride.



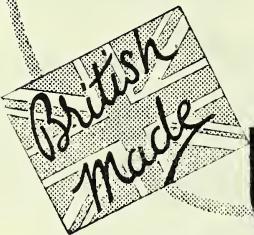
LITESOME
Supporter
STANDARD MODEL 6½'
MAYFAIR MODEL 15½'

Showcards, window transfers and other sales-aids are now at your disposal if you write to the sole manufacturers:—

FRED HURTLEY LTD., KEIGHLEY, YORKS.

Air Cushions

The "ATALANTA" is strongly built to stand up to years of hard wear. Specially made seams—no leakage possible



Other "Ingram" specialities

ENEMAS. Demand continues for the "PERFEX" and "SATINETTA." P.A.T. Recommended by Doctors and Nurses.

BREAST RELIEVER. Ingram's "OMEGA" remains consistently popular. A sturdy job, designed in collaboration with Medical Authorities.

J. G. INGRAM & SON, LTD.
The London India Rubber Works, HACKNEY WICK, E.9.

English Filter
POSTLIP
Papers

SQUARES
CIRCLES
FOLDED
ROLLS

WHITE
GREY
PLAIN
ANTIQUE
EMBOSSED
CRINKLED

SAMPLES
FREE

Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers

Evans, Adlard & Co Ltd
Postlip Mills, Winchcombe, Cheltenham



**ANONA
WINN**

FAMOUS STAGE AND RADIO
STAR IS APPEARING IN 83
MILLION ADVERTISEMENTS
FOR 'AURORAL' AND 'WINNER'
DYES DURING 1946



AURORAL

Cold Water Dyes

48/- GROSS

WINNER

Home & Stocking Dyes

24/- GROSS

LESS 5% FOR
CASH IN 7
DAYS

WHITAKERS OF KENDA

ells as well as it Seals and Heals!



ANTISEPTIC AND SELF-Sterilising

Promoters: PORTLAND PLASTICS LIMITED, 6 VICTORIA STREET, LONDON. S.W.1

"PORTEX" MEDICATED PLASTIC SKIN

Immediate Relief for

CHILBLAINS

and for

MOSQUITO BITES

SORE AND BLISTERED FEET,
ABRASIONS, BURNS, CUTS,
CHIROPODY, FISSURES,
FISTULÆ, IMPETIGO, BITES,
INFANT PERINEAL DRESS-
INGS, CRACKED NIPPLES
DURING LACTATION.

Trade Discount 33½%

Free Samples and Literature from our
Stockists in Scotland : Pharmaceutical
Distributors (Glasgow) Ltd.
Stockists in Eire : James Browne & Co., Ltd.
1-2 North Gt. George's Street, Dublin
or your usual Wholesaler

SURGICAL DRESSINGS

Wholesale Only

Enquiries are invited for any of the following manufacturers—

- Cotton Wools
- Boric Acid Wool
- Grey Wool
- Gauze and Cotton Tissue
- Absorbent Gauze
- Boric Acid Gauze
- Iodoform Gauze
- Mercury and Zinc Cyanide Gauze
- Picric Gauze
- Ribbon Gauzes
- Absorbent Lint
- Boric Lint
- Picric Lint
- W.O.V. Bandages
- Crepe Bandages
- Domettes
- Flannel
- Muslin
- Triangular Bandages



OBERT BAILEY & SON, LTD.
SURGICAL DRESSING MANUFACTURERS
TSART STREET, GREAT MOOR, STOCKPORT
Grose: "UNDISPUTED" STOCKPORT

THE "MATER" CLINICAL REC'D.

The position of the Mercury column is at once
perfectly plain. Red markings above 0°c.e.

ALL TYPES OF
CLINICAL
AND OTHER
THERMOMETERS

PERKEN, SON & CO. LTD.
(ESTABLISHED 1852)

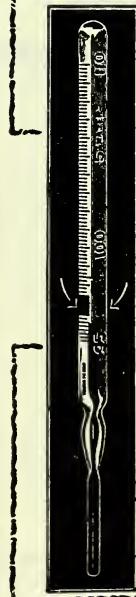
8 HATTON GARDEN
LONDON, E.C.1

Telephone: 0724 Holborn
Telegrams:

"Optimus, Smith, London"

Wholesale Agents for Clinical
Thermometers:

FASSETT & JOHNSON, LTD.
86 Clerkenwell Rd. London, E.C.1





Organized by the Central Institute of Art and Design and Sponsored by The Metal Box Company Ltd., the competition is divided into two sections :—

Section 1. Open to Art Students and Professional Designers resident and practising in Great Britain. Entries must be in the form of finished drawings together with a specification and description of any new device involved in the design.

Section 2. Open to anyone resident in Great Britain (excluding those qualified for Section 1.) Entries may take the form of drawings or a descriptive specification of the idea.

Designs are invited for any package relative to commodities generally sold through GROCERS, CHEMISTS, STATIONERS, IRONMONGERS and the MOTOR TRADE. Three prizes will be awarded in each of these sub-sections together with supplementary prizes for specified commodities in each Trade.

WRITE FOR FULL PARTICULARS—stating whether you wish to enter in Section 1 or Section 2—to The Central Institute of Art and Design, 41/42 Dover Street, London, W.I.

CLOSING DATE FOR ENTRIES
4th JANUARY, 1947.

Kemball, Bishop & Co. Ltd

MANUFACTURING CHEMISTS

**CITRIC ACID - TARTARIC ACID
CREAM OF TARTAR - ROCHELLE SALTS
CALCIUM GLUCONATE
LITHIUM CARBONATE
CHLORIDE AND HYDROXIDE**

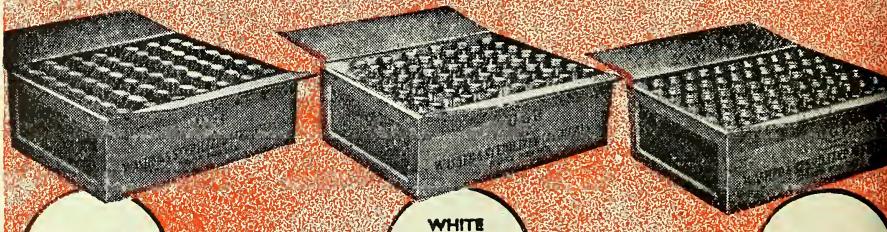
QUALITY GUARANTEED

CROWN CHEMICAL WORKS, THREE MILL LANE,
BROMLEY-BY-BOW, LONDON, E.3

**GREATER
THAN EVER IS THE
DEMAND FOR**

U.G.B.

MEDICAL BOTTLES



CORK
MOUTH

WHITE
ENAMELLED
METAL
SCREW-CAP

KORKALITE
MOULDED
CAP

WASHED AND STERILISED
—READY FOR USE—
THE IDEAL
DISPENSING BOTTLE
IN ANY EMERGENCY

UNITED GLASS BOTTLE

MANUFACTURERS LTD.

*The Largest Manufacturers of Glass Bottles
in Europe*

8 LEICESTER STREET, W.C.2

Telephone : GERrard 8611 (10 lines)
Telegrams : Unglaboman, Lesquare, London

ANOTHER PAGE FROM THE

STERLING

VOLUME

Page 137

Chemicals

MAGNESIUM STEARATE

A basic stearate of magnesium containing 7 to 8% magnesium oxide.

Properties. A soft, white, bulky, odourless, neutral, impalpable powder, free from any harsh or gritty particles. Insoluble in water. Usually contains a proportion of palmitate and smaller amounts of oleate. Soluble in white oil on heating, setting to a transparent jelly on cooling.

Standard. Bulk packing density about five pounds per cubic foot. The usual grade is "cosmetic" and as such must be soft, smooth and uniform and free from gritty particles, dirt, water soluble impurities and mineral acids.

Uses. Magnesium stearate is used very largely in the formulation of cosmetic powders, nursery dusting powders, talcum powders, compacts, etc. Its qualities of fineness of texture and adherence to the skin makes it an essential ingredient in these products. Being entirely non-poisonous, it has replaced zinc stearate in many cases, particularly dusting powders. Magnesium stearate is now used extensively by tablet makers as a lubricant and excipient and replaces talc and similar materials for this purpose.

Packages. Paper-lined hessian bags — 56lbs. nett.
Manufacturers: THOMAS TYRER & Co. Ltd.,
 Stratford, London, E.15

ACIDS (Pure)

BISMUTH SALTS

CHLORATES

SCALE
PREPARATIONSETHER
ANESTHETIC B.P.
and METHYLATED

MERCURIALS

The Most Important Thing
next to the Products is the

PACKAGING

DECIDE ON
MONO

Yes, make no m
about it the pack
thing that coun
the sales counter
attractively s
hygienic MONO
tainer will win qu
customer res

Ideal for a host of Peace
products including Food
Dairy Products and Pharmace
Preparations. We are now to
offer suggestions and s
designs for MONO Contain
meet the special requireme
the Chemical and Allied T
Your enquiries are invited.



MONO means BUSINESS

PLAN YOUR POST-WAR CONTAINER NOW

MONO CONTAINERS LTD., CUMBERLAND AVENUE, PARK ROYAL, LONDON, N.W.
Telephone: ELGAR 4044 (8 lines)

inter 9, 1946

'Good M
begin
GILL

GOOD
WITH

Put Gil

Tell peop



GOOD MORNINGS' BEGIN WITH GILLETTE . . .

back in the window

Put Gillette in the window, a cheering display,
Tell people you've got them — you'll find it will pay.

(The supply position is improving)

November 9, 19

ember 9, 1946

HEWARDS

*Gentlemen's
Belts*



ORDER THROUGH
YOUR
WHOLESALER

Particulars of the Belt
illustrated here or of any
others from the extensive
and comprehensive range
of apparatus made by
Hewards will be gladly
forwarded on receipt of
a postcard.

The R. H. Heward Co.

CROWN ROAD WORKS
TWICKENHAM

'Phone:
POPESGROVE 2243/4

Grams:
BELTRUSS, TWICKENHAM

M.C. 2

ready now

DeeGe

AUTOMATIC ELECTRIC SA

BOTTLE WARM

This new electric heating device is now available in quantity for distribution.

Its special features Automatic Control, Complete Safety and Reliability.

Send your enquiry now about this new selling line to



Sole Distributors for Great Britain:
BEAUTISALES LTD • 35 OLD BOND ST • LONDON •

Manufactured by:
DAVID GRIFFIN LTD • WIMBORNE RD • POOLE • DORSET

A DELICATE SUBJECT — FOR DELICATE SKINS

The TOTTY-POT



Trade
Mark
"Totty-
Pot"
Patent
applied for

Rubber Ringed for
Cushion Comfort

A NON-CORROSIVE ACID-PROOF
HYGIENIC CHILD'S CHAMBER

Detachable ring, easily removed for
cleaning purposes

Made of Aluminium—Plastic Hand
ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS
J. BILLIG & SONS LTD.,
ESTABLISHED 1899

BILTMAN WORKS, FONTHILL RD, LONDON NW4
TELEPHONE: ARCHWAY 2753 & 3858

Surgical Dressings

LINTS · BANDAGES
COTTON WOOL
PLASTER MUSLIN
MATERNITY PADS
GAUZE

ONLY
WHOLESAVERS
SUPPLIED

Carus
OF DARWEN

LESDEN MILL · HAMPDEN MILL · ATLANTIC MILL · SPOTLAND BRIDGE MILL

DÓ-DÓ

THE ASTHMA TABLET

with the balanced formula

THREE SIZES: 1s 1½d, 3s 4½d & 1ls 10d INCL.

P.A.T.A.



SOLE MANUFACTURERS:

INTERNATIONAL LABORATORIES LTD.

I-3, SMEDLEY STREET, LONDON, S.W.8.
MACaulay 3481-3. Telegrams: Parmintus, Clapcom London



NEW SYFT PHOTOGRAPHIC LINES

available now.

1—"TRUCOLOR" Enlargements, made from Kodachrome and Agfacolour Diapositives only, size 7" x 5", on mount 10" x 8".

Newest, improved Colour Printing Process.

First enlargement	£1 4 0
All repeats	£1 1 0

Please ask for details in the first instance.
Delivery time: 14 days.

2—AGFA Colour Processing £1 3 0
Delivery time: 8 days (Ask for details).

3—SYFT Photo Master Control
Combined Footswitch, Photoflood Dimmer and
Darkroom Switchboard

for Foot and Hand Control.

In sturdy, well-finished metal casing with two-mains output plugs, suitably shaped for convenient handling on floor or table.



As enlarger, printer or darkroom lamp and photoflood switch it leaves both hands free for the "job in hand", as photoflood-dimmer it increases the life of the lamps manifold, decreases heat development, allows accurate timing.

IMPORTANT NEW FEATURES

- (1) The footswitch pedal is luminous, so that it is immediately located in the darkroom under table, etc.
- (2) A PILOT socket has been included into the "Master Control" working intermittent with the Photoflood (or other) lamps, allowing to switch off ordinary room lighting by switching on the Photofloods, combined with universal pilot lamp, with felt lined clip, positive grips on all surfaces. (Pat. appl. for.) Complete Exposure Tablets for 2-6 Photofloods.

Now ready for immediate delivery.

Retail price with full instructions, £6.—.6.

4—Exhibition Brilliance Finishing Fluid. This master varnish imparts shadow detail to the enlargement, improves colour, hides all spotting, and brushwork, brings lively lustre into mat prints, non-sticky—dries quickly.

Newest Overseas Export Packing:
Filled in Flexible Capsules.

Probably the most economical and safest, unbreakable pack—contents usable therefore many times more often (1 fl. oz.) each ... 3s. 9d.

Minimum 20 capsules in show tin.

For further particulars and price lists with Trade Discounts—ask

S.Y.F.T. LTD.

56, George Street, Baker Street, LONDON, W.I.

...able to stop
TOWN TALK
the Silver Polish which
ensures regular customers
to whom your other
wares will also appeal

ORDER DIRECT OR FROM —**MANCHESTER:**D Munday & Co.
John Woolley Sons & Co., Ltd**NEWCASTLE-ON-TYNE:**Wilkinson & Simpson,
Brooks & Warburton, Ltd**LONDON:**Plar, Roberts & Co., Ltd
Butler & Crisp**LEEDS:**

Goodalls (Leeds), Ltd.

LEICESTER:

E. H. Butler & Son.

LIVERPOOL:

Ayrton, Saunders & Co.

THE TOWN TALK POLISH CO., MANCHESTER

TREECE'S
FLOOR POLISH
IN
INCREASING
DEMAND
ALL
OVER THE LAND
A SAFE GUARANTEE OF QUALITY.

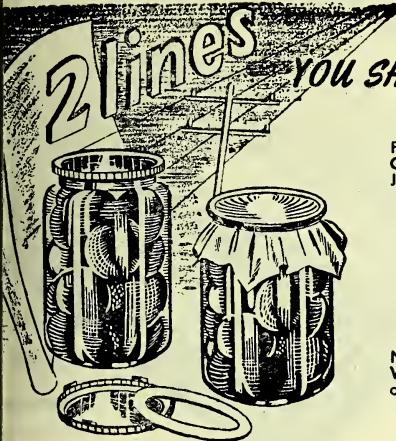
IT HAS NO EQUAL

for cleaning, polishing & preserving

WOOD FLOORS, LINOLEUM & FURNITURE

When some time ago the work of cleaning and renovating the wonderful old oak paneling in one of the Oxford Colleges was put in hand, the contractors applied to the Department of Scientific and Industrial Research (H.M. Forest Products Research Laboratory) for advice as to the best material to use for such an important task. In response, the Department Instructed them to use

TREECE'SPURE
BEESWAX**POLISH****TREECE POLISH Co., Ltd., NOTTINGHAM**



YOU SHOULD NEVER BE WITHOUT

POROSAN[®]

Fruit Caps and Skin Rings (Recommended for the Oven and Water Methods) for sealing 1 lb. & 2 lb. Jam Jars.

In 3 Packs.

One Pound (12 Caps and Rings)

Two Pound (12 Caps and Rings)

"Fifty-Fifty" (6 each size)

3/4d.

per doz. Incl. Tax.

Spare Rings 10d. per doz. Tax Free.

'POROSAN'

(Original)

No. 1 Fruit Preserving Skin (Recommended for Water Method). Can be cut to fit any size or shape of jar or bottle and can be used over and over again.

In rolls 1/6 (six 2 lb. jars)

In rolls 4/- (eighteen 2 lb. jars)

Tax Free.

DON'T FORGET TO ORDER REPLACEMENT RINGS AS WELL

Distributors to the Trade:

SMAW, SON & SONS, LTD. Aldersgate House, NEW BARNET, HERTS
MARKETED BY POROSAN LTD., 65-6 CHANCERY LANE, W.C.2

*you're out of one
commend the other*

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two kinds of Parmint and their three sizes.

All our press advertising features both Parmints and mentions all their prices.

At the moment the 1/5 ready for use Parmint Syrup is in short supply. If you are temporarily out of stock, recommend your customers to take a 2/10 bottle or a 3/1½ bottle of the Parmint Concentrated Essences.



A N D

P.A.T.A.

INTERNATIONAL LABORATORIES LTD.
SMEDLEY STREET · LONDON · S.W.8

"SURCO"

RELIABLE ELASTIC HOSIERY

SEAMED AND SEAMLESS

For special garments to measure
we give the best possible service

SURGICAL BELTS
TRUSSES AND SUNDRIES

50 years' service of
everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM

Telephone No. 75903 Telegrams: Surgical Nottm.

and now —

SOFTEX TOILET TISSUE

in
*Inter-leaved
sheets*



SOFT...
SOFTER... **SOFTEX**
Toilet Tissue

IN ROLLS OR INTER-LEAVED SHEETS

Telephone: Regent 0422

SM1

'SEPTISOL' NURSERY OINTMENT

— FOR DIAPER RASH —

'SEPTISOL' BABY SOAP

— FOR BETTER BABY BATHING —

Give Profit and Prestige, and ensure Repeat Demands

SEPTISOL LTD. 28, KENNEDY STREET MANCHESTER 2.

THE LABEL SELLS YOUR PRODUCT

Give your made up products that distinct appearance. Well designed, embossed, sticky Labels, in pleasing colours, in six quick sell designs.

Haircreme Brillantine
Vanishing Cream Cold Cream
Setting Lotion Luxury Bath Salts
6/- per gross or any assortment of 10 gross at per gross. Goods sent by return of post.
Send now for any of the above together with detail Emulsifiers, Raw Materials, and Jars available.

BRICCA'S LIMITED Fortress Grove, Kentish Town, London, N.W.5.
Telephone: Gulliver 3-



50% PROFIT on COST

. . . . is assured if you display and sell

E.N.T. POWDERS & CAPSULES

Highly recommended for relief from headaches and all nerve pains. Safe stock, sound formula and very satisfactory profit bringers.

From all Wholesalers or direct from :—

The E.N.T. MANUFACTURING COMPANY LIMITED
433 Gloucester Rd., BRISTOL 7. London address:— BCM/ENTCO W.C.1

"OXOID"

The word "OXOID" is the trade mark of OXO Ltd.,
and is used in connection with their therapeutical
preparations both in tablet and fluid extract form.
ORGANO-THERAPEUTICAL PRODUCTS

KO LABORATORY PREPARATIONS

PERNICIOUS ANAEMIA

OXO LTD'S LIVER EXTRACT FOR INJECTION (I.M.)

A highly potent preparation for treatment of pernicious anaemia.

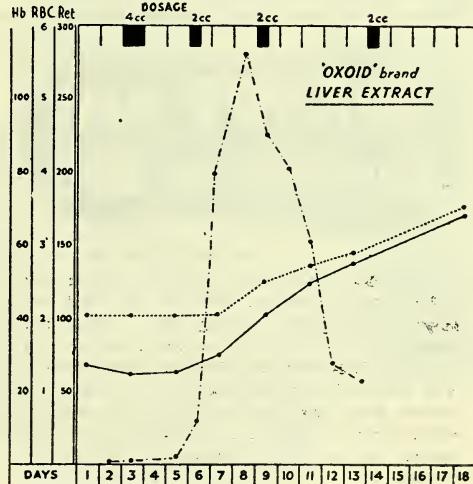
Doseage in emergency cases is 4 c.c. initial dose, followed by 2 c.c. at three days intervals in the first week and 2 c.c. at weekly intervals subsequently. This will usually raise blood count to normal in a few weeks.

Maintenance dose : 2 c.c. monthly.

Supplied in ampoules of 2 c.c. and Bottles of 10 c.c. and 20 c.c.

Ampoules : 6-(6/6) ; 12 (12/6) ; 50 (48/-) ; 100 (92/-).

Bottles : 10 c.c. (5/3) ; 20 c.c. (8/6).



KEY TO GRAPH.

- Haemoglobin per cent.
- Red blood corpuscles in millions.
- - - Reticulocytes per 100 red cells.

OXO LIMITED, Thames House, London, E.C.4



OXO LABORATORY PREPARATIONS



Getting easier but still in short supply

Although we still cannot catch up with the constantly growing demand for Juno-Junipah, we are glad to say that supplies are a little easier than they were. Our plans for greatly increased production are beginning to come to fruition.

T. MARNS, LTD., 2 CAXTON STREET, LONDON, S.W.1.

JUNO - JUNIPAH

The Woman's Own Health Salts

**707,909 NEW
Customers for YOU**

707,909 babies were born in Great Britain last year. This year the number will be greater. Mothers want the best remedy for baby's skin troubles—teething rash, chafing and chapping. D.D.D. Balm does not sting or burn baby skin; it soothes immediately and heals quickly. It is non-greasy and does not stain. Thousands of mothers know this from experience; thousands of others learn it from our advertisements in the national and provincial press—and in the women's journals.

Profit from the demand that these births inevitably create. Your wholesaler has adequate supplies of D.D.D. Balm. Trade terms 16/- doz. Purchase tax 2/6 doz. Inclusive retail, 2/- per jar.

Prepared by D.D.D. Co. Ltd., 3, Fleet Lane, London, E.C.4.

D. D. D. BALM



Besorbon medicinal snuff is in demand all the year round as a preventive remedy for Hay Fever, Colds and Catarrh. Put this attractive display box on your counter and it will make its own sales. Supplied with all orders for dozen lots—from all registered wholesale chemists.

KEMSALES LTD

20 EASTCHEAP, LONDON E

New Scholl

Display stand

is handy, compact, needs no fixing and catches the eye wherever you put it. It takes five popular Scholl products, and is suitable for your counter or your window. Scholl's famous Foot Aids are now more in demand than ever. Write to us for this attractive free stand. (No. 805.)



THE SCHOLL MANUFACTURING CO. LTD. • 188-204 St. John Street, E.C.1

an **'ASPRO'** **DISPLAY** **BRINGS IN THE PASSER-BY!**

A new 'ASPRO' public has been growing up in recent years—people who, by practical experience, have come to value the ready help of 'ASPRO' in emergencies. All this growing interest benefits the shop which features A PROMINENT 'ASPRO' WINDOW DISPLAY. People who would otherwise be just "passers-by" become faithful and permanent customers, and their custom is reflected in the general volume of your business.

We look forward to the time when we can send you an entirely new display. In the meantime, if your present 'ASPRO' show is overdue for the salvage bin our stocks are still sufficient to supply you with another of the pre-restriction type illustrated below. Please write us if you need a display or seasonable stickers.

Here is the current display



MADE IN ENGLAND BY
ASPRO LIMITED, SLOUGH, BUCKS

P.A.T.A.

One of the
FINEST PRODUCTS
in Pharmacy —

For the speedy relief
Indigestion, Headache
Colds, etc., Lassitude
Over-Indulgence.

VOLA SELTZE GRANULE

*A trial order ensures
continual sales !*

JOHNSON AGENCIES (PTY) LTD.
Clarendon Works, Croydon, S.W.4

PARIVITAN

VITAMIN TONIC

IS NOW ALSO ISSUED
IN THE FORM OF

TABLETS

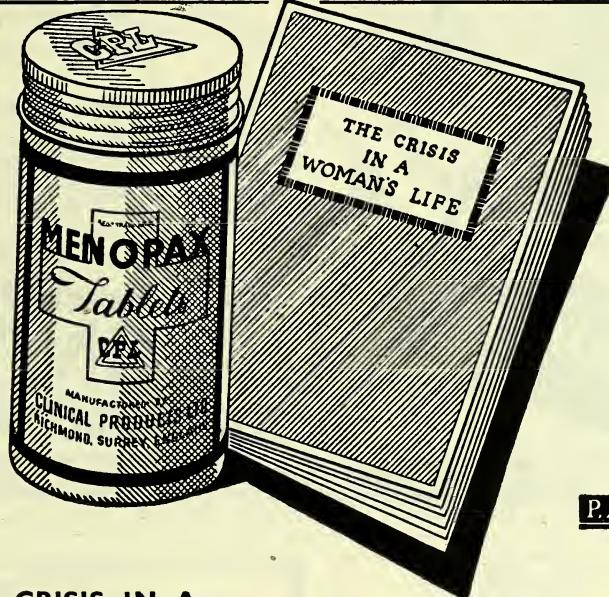
for prescription and counter sale

issued

Bottles of 30 and 100
retail at 2/6 and 6/2 inc. tax

GEDEON RICHTER (G.B.) Ltd.
WEEDINGTON ROAD, LONDON, N.W.5

THE BOOK BEHIND THE PRODUCT



P.A.T.A.

"THE CRISIS IN A WOMAN'S LIFE"

now in its 21st edition, has an immense appeal to women of 40-50, for it throws a new light on the Menopause, a subject which is of vital interest to them.

It is probably one of the most informative publications on the subject and promotes sales of Menopax.

For best terms for Menopax preparations apply to the Sole Distributors:

S. MAW, SON & SONS, LTD.

Aldersgate House, New Barnet, Herts.

RETAILERS who are co-operative appreciate the value of the book from experience.

THE ENTERPRISING CHEMIST will always have a few copies prominently displayed, so that interested customers may take one.

A WOMAN commencing a course of Menopax — very often on her doctor's advice — will in all probability continue to take this preparation for several years.

PROFIT Every time you sell a large size Menopax bought on best terms, your profit is 3/5.

BOOKLETS supplied to Menopax stockists only — with or without orders.

MENOPAX

Manufactured by:

CLINICAL PRODUCTS LTD., RICHMOND, SURREY



and a bottle of
VIRONITA
of course!

VIRONITA IS FAST SELLING AND PROFITABLE

M. CATHORPE & COMPANY LIMITED. Manufacturing Chemists OSS

ADMUL

GLYCERYL
MONOSTEARATE

No Raw Materials!

We regret deliveries are
temporarily suspended

ADVITA LIMITED
2 KINGSCOTE STREET
LONDON, E.C.4

**3/- and 5/-
PER BOTTLE**

Extensive advertising has created a
customer demand for this grand family tonic.
Cash in and get your fair share of this
profitable business.

NO LICENCE REQUIRED.

VIRONITA

THE FAMILY TONIC

SHAMPOOSHEEN

The modern luxurious lathering
Shampoo Cream.

Shampoos **SHEEN** into hair
For all shades of hair, and all
members of the family.

Packed in Tubes. Retailing 7½d. Display
Outers of 3 doz. 13/6 Plus 4/6 P. Tax
Also Bulk Supplies for Saloons.

AGENCY ENQUIRIES INVITED FOR
HOME & EXPORT.

**LOVELUCK'S
LANOLINE BALM**
An all-the-year-round seller for Medicinal,
Toilet and Infant use.
PROFESSIONALLY ELEGANT.
COMMERCIALLY ATTRACTIVE.
Retail 1/6. Display Outers 35/- inc. Tax.

Illustrated Price list of Toilets,
Specialities & Packings available from
Sole Distributors :
LOVELUCK EDWARDS & CO.
432/438 GARRATT LANE, S.W.18

SOUTHON LABORATORIES

FOR PROTECTION
AGAINST **COLDS**

COMPLETE COURSE 7/6
Inclusive of Purchase Tax
Trade Discount 33½%

A product of SOUTHON LABORATORIES LTD., LONDON.

ESOBACTULIN

PROTECTION AGAINST COLDS

6 CAPSULES TAKEN OVER 5 DAYS GIVE
MOST PEOPLE 3 MONTHS IMMUNITY



POCKET CALENDARS

Placed on your counter these will promote good sales. Supplies available on request.

Sole Distributors :

CHAS. F. THACKRAY LTD.
Old Medical School, Park St. Leeds 1

R.A.T.A.

FINEGAN'S
NIP-A-KOFS

The famous
medicated
Confections

- NOT ON POINTS
- RATIONED SUPPLIES

SOLE MANUFACTURERS
J. FINEGAN & SON
METHWICK 40, Staffs



energen

BISMEAL

HIGH

PROTEIN

Breakfast Food

ENERGEN FOODS CO., LTD., WILLESDEN, N.W.10

Powder and the Press

The power of the press and the delicate fragrance of Goya's powder may seem to be poles apart. But it is through newspapers and magazines that Goya's advertising campaign is telling the story of the powder with many shades, *but only one perfume*, to millions of interested women.

For them a powder in six delightful shades each scented with a blend of Rose and Jasmin, which harmonises perfectly with any Goya perfume—or any other first class scent—has news appeal.

For you its appeal is different. With a range uncomplicated by colour and perfume permutations, stocks can be kept down and precious space saved. Yet you are still ready to meet the ever growing demand for the luxury, the clinging softness of :

NATURE, RACHEL,
PEACH, NECTARINE,
BASQUE, SUN-TAN.

PERFUME · LIPSTICK · FACE POWDER



161 · NEW BOND ST · LONDON · W · 1

Skin
needs

NIVEA

NIVEA
CREME

FOR SKIN HEALTH AND BEAUTY

P.A.T.A.

Herta Pharmaceuticals Ltd., Welwyn Garden City

LIMITED SUPPLY of

★ PERFUM
★ for X M A
★ TRAD

FOUR SIZES IN GOOD QUALITY ASSORTED PERFUM
BOTTLED BY KENROSA LTD.

RETAIL: $\frac{1}{2}$ -oz. 2/6; $\frac{1}{2}$ -oz. 5/-
 $\frac{1}{2}$ -oz. 7/6; 1-oz. 10/-
PER BOTTLE

WHOLESALE: $\frac{1}{2}$ -oz. 12/-; $\frac{1}{2}$ -oz. 24/-
 $\frac{1}{2}$ -oz. 36/-; 1-oz. 48/-
PER DOZEN

ADD 100% PURCHASE TAX

$\frac{1}{2}$ -oz., 3 dozen in box; oth
sizes each in box with su
able labels to tone.

TERMS: REMITTANCE WITH ORDER
PROMPT DELIVERY
NO SAMPLES SENT

Postal communications to :—

SIR JOHN PRATT & CO

(Proprietor: Sir John Pratt, J.P.)

89 FORSET COURT, EDGWARE ROAD, LONDON, W.
TELEPHONE PADDINGTON 410

CASH IN ON COLD WEATHER



Steady advertising in the national press is building a steadily increasing demand for Snowfire Healing Tablet among those whose work exposes their hands to the roughening effects of winter wind and weather. Add that demand to the consistent, all-the-year-round sales of Snowfire Healing Tablet for small every-day ills such as cuts, burns and bruises, and the result is a best seller, and a profitable seller. And to round off a satisfactory picture, Snowfire Healing Tablet is in fairly good supply, so there is no need to disappoint your customers.

Snowfire HEALING TABLET

product of F. W. Hampshire & Co. Ltd. (Manufacturing Chemists), Sunnydale, Derby

At 5 months baby needs a CEREAL FOOD

Recommend M.O.F.—the *fortified* Infant Cereal

AT about 5 months mixed feeding should begin. At this stage it is usual to include a cereal food in the infant's diet. This is the time when an infant needs M.O.F. — the fortified infant cereal.

M.O.F. is a finely sieved oat flour fortified with Vitamin D, Calcium, Phosphorus and Iron and specially processed for quick cooking.

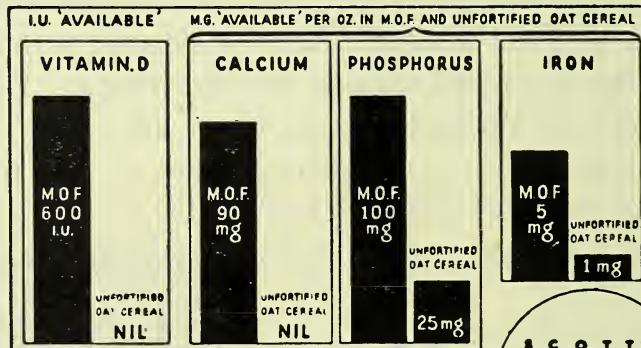
WHEN AND HOW TO GIVE IT

The use of M.O.F. normally begins with the introduction of mixed feeding. It should be made to a thick consistency and may be spoon fed before the normal breast or bottle feed. Small quantities given at first should be increased as the infant progresses, M.O.F. forming one of the staple factors of a mixed diet.

Where artificial feeding must start at an early age M.O.F. can be given as from 3 months.

HOW DOES IT COMPARE WITH OTHER CEREAL FOODS?

One of the reasons why progressive medical opinion recommends M.O.F. is because it is more than a cereal. M.O.F. is a fortified food. How it compares with non-fortified infant cereals can be seen in this chart.



M.O.F. IS PREPARED BY A. & R. SCOTT LTD.
WEST MILLS, COLINTON, MIDLOTHIAN, SCOTLAND.



CARNEGIES

of

WELWYN GARDEN CITY

ALOIN . ATROPINE & SALTS . BARBITONE SOLUBLE
BISMUTH SALTS . CAFFEINE SALTS . CHRYSAROBIN . CITRATES
EPHEDRINE & SALTS . ESERINE & SALTS . FLAVINES . IODIDES
LITHIUM SALTS . NICOTINIC ACID
PHENAZONE CAFFEINE CITRATE . PHENAZONE SALICYLATE
PODOPHYLLIN RESIN . PROCAINE HYDROCHLORIDE
SALICYLATES . SANTONIN . SPARTEINE SULPHATE
STILBOESTROL . STRYCHNINE & SALTS . SULPHAGUANIDINE
SULPHANILAMIDE . THEOBROMINE SALTS . ETC.

•
QUININE & SALTS . TOTAQUINE

•
Carnegie Chemicals (WELWYN) Ltd.
Carnegie Quinine Works Ltd.

MANUFACTURERS OF FINE CHEMICALS

WELWYN GARDEN CITY
HERTFORDSHIRE

TELEPHONE:
WELWYN GARDEN 506 (4 lines)

TELEGRAMS:
CARNECHEM, WELWYN GARDEN

THE
CHOICE
OF
EXPERTS

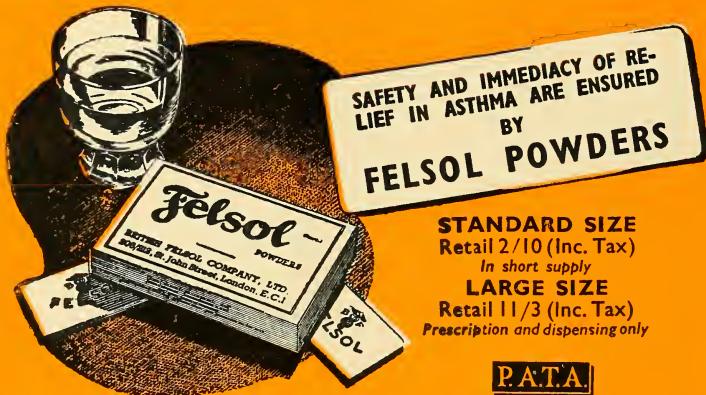


G. H. ZEAL LTD. LOMBARD R'D, MORDEN R'D, LONDON, S.W.19

No higher in price than nondescript makes... Also—Household, Bath and Works Thermometers, the best of their kind.

Phone : LIBERTY 2283-45

SALES THROUGH CHEMISTS ONLY



STANDARD SIZE
Retail 2/10 (Inc. Tax)

In short supply

LARGE SIZE
Retail 11/3 (Inc. Tax)
Prescription and dispensing only

PATA

Wartime shortage of materials has caused delays in deliveries outside our control.

Every effort is being made to ensure fairest possible distribution. Let us hope it will not be long before we can relieve these temporarily enforced conditions.

BRITISH FESOL COMPANY LTD.

WIGTON HOUSE, 206-212 ST JOHN STREET, CLERKENWELL, LONDON, E.C.I.
Telephone CLERkenwell 5862 Cabies, Felsol Smith London

ber 9, 11

higher in
e than
descrip.
is.
—Mousetraps
and Work
tometer,
tometer,
best of
kind.

Phone:
CART 2284

D
. E.C.I.
garden

